

Abhinav Kumar

Indian Institute of Technology, Goa

Third Year **Undergraduate**, Computer Science Engineering
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Objective

Seeking for an opportunity where I can use my experience and education to meet and surpass the goals. Resourceful individual with an eagerness to accept challenges while learning and gaining experience from them. Currently seeking an internship position in a good institution.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 9.01/10.00

- Candidate for Bachelors of Technology, Computer Science Engineering, IIT Goa.

City Montessori School, Mahanagar, Lucknow

ISC 2013-15 | Score: 98.4%

Skills

Programming Skills: HTML, CSS, JavaScript, MySQL, PHP, Java, Python, C, C++, GML, MIPS Assembly, VHDL, Verilog

Software Skills: AutoCAD, Solid works, Autodesk Inventor, MATLAB, Scilab, Vivado, CorelDraw, Adobe Photoshop, LaTeX, Adobe InDesign, Adobe Illustrator, Inkscape, MS Word, MS Excel

Hardware Skills: Welding, Lathe Machine Operations, Drilling, Milling, Shaper Machine Operations, Soldering PCB

Speaking Skills: Gave Seminars on Decision Trees for Regression and Stack Computers.

Relevant Coursework: Software Systems Lab, Computer Programming (in C++), Data Structures and Algorithm, Discrete Structures, Digital Logic Design, Computer Networks, Automata Theory, MIPS Architecture, 8085 and 8086 Microprocessor Architecture, Artificial Intelligence, Logic in Computer Science, Software Model Checking and Verification

Course Projects & Technical Experience

Microprocessor and Automatic Controls Lab, IIT Goa: Motor control Car using Arduino [Academic Project]

January-April 2018

- Coded an Arduino program for a Motor Car controlled by a remote control using a Bluetooth module.

Hotel Managing Interface [Academic Project]

November 2017

- Coded an interactive interface using C++.

IIT Goa Motorsports [Academic Project]

Sponsorship and Marketing/ Nov-Sept 2018

- As a part of sponsorship team, attracted sponsors and helped in advertisement.

Web Development [Academic Project]

Sept-Nov 2018

- Coded the Online Internship Forms using html, JavaScript and PHP.
- Created Well Documented pdf version of famous books.

Machine Learning and AI Projects

- Digit Recogniser, Self-Dictionary. (May-June 2018)
- Flower Species Predictor, Search Algorithms on Pacman, Detection of Pneumonia for Chest X-ray Images using Deep CNN, Movie Recommendation System (As Academic Projects Sept-Nov 2019)

Computer Network Projects [Academic Project]

- Simulated RDT 3.0 Protocol using simpy in python. (March 2019)

Computer Architecture Projects [Academic Project]

- Simulated Three Stage and Four stage pipelined Datapath in Vivado (November 2019)

Python Projects

- Restaurant Management System, Linux Prompt Window using tkinter. (May-June 2018)
- Snake and Maze Game using turtle, Car Racing Game using pygame. (July 2018)
- Lead a team as well as helped with the coding part in Class Scheduling Problem using Z3 Solver, Resolution and DPLL Algorithm implementation in python (Academic Project November 2019)

Other projects

- GameMaker Studio 2-made a Mario type game. (Source-YouTube August 2018)
- Coded Reverse Shell Project in python. (Sept 2018)
- Composed EDM Music on LMMS and FL Studio. (March 2018)
- Active in Competitive Coding- 5 star Problem Solving on Hacker rank. (Dec 2018)

Work Experience

Institute Technical Summer Project-IIT Goa

Summer Project under Dr Neha Karanjkar | May-June 2018

- Worked on Zenmap and nmap tools
- Designed Network Topology of IIT Goa Network.

CETPA Infotech Pvt. Ltd

Training experience under the Guidance of Prof Amit Kumar, Python Developer, CETPA Lucknow | May-June 2018

- Certified Training experience of python and Machine Learning,
- Coded an Online Song Player using Django, Stock Predictor, Flower Species Predictor.

Skynet System, Lucknow

Winter Intern | Dec 2017

- Managed the company details using MS Office.

Extracurriculars & Positions of Responsibilities

Seminar Secretary of IIT Goa:

Year 2018-19, IIT Goa

Leadership and Team Work:

IIT Goa Cultural Festival Organising Team [Aug-Nov 2018]

Part of IIT Goa Dance community:

Participated in dance competition. [Waves 2018 at BITS Goa]

Other Hobbies:

Going to Gym, Playing Guitar

Project Help:

Project descriptions are uploaded on my GitHub website.

Goyal Kalyani

Indian Institute of Technology, Goa

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Objective

I am a motivated and ambitious person, constantly working on improving my skills and enhance my knowledge. I am keen on working in an organization where I can use my skills of problem formulation, solving and development to add value and contribute for the betterment of society. I am currently exploring the field of Machine Learning and AI.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 8.9/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering from the School of Computer Sciences, IIT Goa.
- Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Software Systems, Computer Networks, Computer Architecture, Linear Algebra and numerical analysis, Introduction to the theory of Computation

Jain Public School, Rewari

CBSE Board 2014-16 | Score: 92%

- Did matriculation from CBSE HSC board in Sciences.

Course Projects & Technical Experience

Technology and Society – Learning (TASLe): Classification of betel nuts [Academic Elective Project]

Under the guidance of Dr Clint George and Dr Ashish Bhateja| August 2019-November 2019

- Automating the process of classification of betel nuts which is otherwise done manually.
- Designing a classifier for betel nuts using image processing, CNN and machine learning.
- Collection of data-set for training and testing the classifier by directly contacting the farmers on field trips.
- Learnt to identify the basic problems in society and how as engineers we can analyse and solve these problems.

Exam Time Table Scheduler[Academic Project]

November 2019

- A project to automatically generate a time table for exams based on certain constraints.
- Designed first order logic statements for the given constraints and converted the problem to a SAT solving problem.
- Used the Z3 library to model the problem and solving the SAT problem with the constraints.

Cube Solving Bot[Personal Project]

January 2019 - Ongoing

- A project to design a bot that solves Rubik's cube for any valid configuration.
- The algorithm takes in the image of a cube and returns a series of steps that the cube should take to solve.
- The algorithm used for solving the cube is F2L, OLL, PLL which takes a maximum of 40 steps.
- Learnt algorithm designing and optimization.

IIT Goa Cultural Affairs Website [Team Project]

Aug- Sept 2018

- Designed responsive event pages for the cultural affairs website of IIT Goa.
- Learnt the basic use of JavaScript, CSS and libraries like Slick and Bootstrap.

Alcohol Level Sensing Alert and Engine Locking for Vehicles [Academic Project]

April 2019

- Modelled a vehicle with a selfmade Bluetooth Controlled Car .
- After a certain amount of Alcohol level was detected by the sensor the car would give a warning and stop.
- Message sending mechanism with GPS Location(through Mobile Phone) was also implemented with GSM Module.

Work Experience

Teaching Assistant for CS101

August-November 2019

- Teaching Assistant for the lab session to the course Introduction to Computer Programming for Autumn semester 2019, IIT Goa under Dr Amaldev Manuel
- Helping the students in formulating efficient and clean python codes.

Teacher at Vikalpa Foundation:

May 2019

- Taught Probability to class 12 students preparing for JEE at Vikalpa Foundation.

Extracurriculars & Positions Of Responsibilities

Cult Rang, Management Team :

IIT Goa Cultural Festival Organising Team [Dec 2018-Present]

Events Head and organiser:

IIT Goa ACM Student Chapter, 2018-19, IIT Goa

Participant, Inter IIT Cultural Meet 2018:

Representative and participant of IIT Goa's contingent for Parliamentary Debate

Oratory Club Head:

IIT Goa Literary team [July 2017-May 2018]

Problem Setter and Organiser, Decipherment:

IIT Goa ACM Student Chapter cipher cracking contest

Skills

Programming Languages and Utilities: C, C++, Python, Web development tools (HTML, CSS, PHP, Basic JavaScript), Arduino, Git, VHDL, Verilog, SQL
Frameworks/Libraries: Tkinter, OpenCV

Conceptual skills: Machine Learning (theory and application basics), Data Analysis, Probability, Logic and Reasoning

Communication skills: Fluent in English and Hindi, active listener, confident and expressive

Jain Muskan

Indian Institute of Technology, Goa

Third Year Undergraduate, **Computer Science and Engineering**

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Objective

Pursuing B.Tech in Computer Science. Looking for a summer internship in a reputable organization to utilize my technical and managerial skills. I'm particularly interested in developing ideas and algorithms for a given problem and use the technology to implement the solution.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 6.7/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering, IIT Goa.

Shri. Vardhman Hr. Sec. School

M.P Board 2015-17 | Score: 89%

- Completed XII in the field of Science and Mathematics.

Projects & Technical Experience

Emotion Recognition through Voice [Academic Project]

Developer | November 2019

- Worked to classify the detected emotion into seven categories
- Happy, Sad, Angry, Disgust, Surprise, Calm, Fearful
- Using methods such as SVMs to detect the emotion

Time-table creator [Academic Project]

Developer | October 2019

- Used forward checking and backtracking, for assigning the best possible solution.
- Used z3 to see that the final assignment which has been assigned by forward checking is possible or not.

Movie Recommendation System [Academic Project]

Developer | August - September 2019

- Used item-item based collaborative filtering for objective results.
- Processed a dataset of 20M ratings and 200K users.
- Applied Cosine Similarity for checking the closeness of a movie.

IIT Goa App

Designer and Developer | August 2019 - Present

- Developed an app using Google's Framework Flutter.
- Features include Mess Menu, Complaint and Feedback System, etc.

Work Experience

Village Level Assessment of Drinking Water

Under the guidance of Prof. Sohoni and Dr. Karanjkar With relation to Public Water Supply, Goa| August - November 2019

- Surveyed the village for datasets of drinking water levels.
- Collaborated with the government and local people to get a better idea about the landscape of the problem.
- Analyzed the dataset to design a critical engineering solution for the problem.

Achievements and Volunteer Experience

Go Myno Core Member:

IIT Goa's Official Coding Club [Aug 2018-Present]

Microsoft Insider:

Volunteering for finding bugs and testing out their latest technology.[Dec 2019 - Present]

Inter IIT Tech Meet 2018

Team Captain(Case study)

Udacity Bertelsmann Technology Scholar

Received Udacity Scholarship powered by Bertelsmann in the Artificial-Intelligence track.

Skills

Computer Languages: C++, Python, Java, C

Relevant Coursework: Artificial Intelligence, Computer Architecture, Data Structures and Algorithms, Design and Analysis of Algorithms, Discrete Mathematics, Automata Theory, Computer Networks, Linear Algebra, Calculus

Frameworks and Softwares: Firebase and Firestore, UNIX, Git and GitHub, LaTeX, Flutter

Web Technologies: HTML, CSS, PHP, MySQL

Singh Nabh

Indian Institute of Technology, Goa

Third Year Undergraduate , C.S.E.

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Objective

Being naturally inclined towards algorithmic problem solving, I have honed my skills and problem solving abilities during the three years at the Indian Institute of Technology. I also pride myself on the punctuality and discipline I have developed in my time at the institute, and hope to continue to grow into a competent coder and proficient at expressing myself with well-made algorithms.

Education

Indian Institute of Technology Goa

Batch of 2017-2021 | CPI : 5.73

- Candidate for Bachelors of Technology, CSE from the School of Computer Science, IIT Goa.
- Relevant Coursework : Data Structure, Artificial Intelligence, Analysis of Algorithms, Discrete Mathematics, Computer Networks, Logic, Automata Theory, Model Checking and System Verification, Computer Architecture

Blue Bells Public School, Gurgaon

CBSE 2015-16 | Score: 88%

Course Projects & Technical Experience

Digital Logic Design Lab, IIT Goa: Model of Morse Code Interface [Course Project]

Under the guidance of Prof. Nandakumar Nambath, IIT Goa | February-April 2019

- Designing a Morse Code Encoder and Decoder using VHDL

CS Logic, IIT Goa: Academic Scheduler System [Academic Project]

Under the guidance of Prof. Sreejith A.V. , IIT Goa | October-November 2019

- Designing a Time Table Modeller for an Academic Institution using the Z3 library on python

Artificial Intelligence Lab, IIT Goa: Movie Recommendation System [Academic Project]

Under the guidance of Prof. Clint P. George, IIT Goa | July-Nov 2019

- Coded in Python

Artificial Intelligence Lab, IIT Goa: Stock Market Predictor [Academic Project]

Under the guidance of Prof. Clint P. George, IIT Goa | July-Nov 2019

- Coded in Python

Data Structure and Algorithms Lab, IIT Goa: Railway Scheduler [Academic Project]

Under the guidance of Prof. Amaldev Manuel, IIT Goa | July-Nov 2019

- Coded in C++ on a csv file of Indian Railways Time Table
- Designed an RB Tree to search trains at a particular time at a station

Skills

Languages	Hindi(Proficient), English, Urdu, Japanese(Conversational)
Programming Languages	C, C++, Python, MATLAB, MySQL, Java, HTML
CAD Software	Solidworks, AutoCAD
Design Software	Adobe Illustrator, Adobe Photoshop, LATEX, GIMP
Microsoft Software	Excel, PowerPoint, Word, Office
Manufacturing Processes	Drilling, Milling

Naresh Kumar Kaushal

Indian Institute Of Technology, Goa

Third Year Undergraduate, Computer Science Engineering

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LinkedIn : <https://www.linkedin.com/in/naresh-kumar-kaushal-23436a168/>

Code Chef : <https://www.codechef.com/users/naresh2689>

Hacker Rank : https://www.hackerrank.com/Naresh_kaushal_1?hr_r=1

Objective

I am a results-driven student. who is eager to learn new concepts, which can be applied in real-life After joining college, I developed a strong interest in coding and its applications in various fields. I am fascinated by Machine Learning, usage of microcontrollers, digital circuits and looking forward to pursuing my interest in this field.

Education

Indian Institute of Technology Goa

Batch 2017-21 | CPI: 9.05/10.00

- Bachelor Of Technology in Computer Science and Engineering.

Higher Secondary

CBSE 2015-17 | Score: 90.1%

- Passed Higher Secondary Education from Anand Public Senior Secondary School, Kapurthala.

Matriculation

ICSE 2002-15 | Score: 96%

- Did Matriculation from Christ The King Convent Senior Secondary School, Kapurthala.

Skills

Coding Skills: C++(Core), Python, Java, VHDL, Verilog(Basics), MIPS Assembly language, Arduino coding, HTML5, CSS, JavaScript, My SQL, PHP

Software: Android Studios, Latex, AutoCAD, Solid Works.

Add On: Simpy Library for Simulations, Z3 Library for constraint satisfaction problems, Machine Learning and Artificial Intelligence

Projects & Technical Experience

AI-based Connect Four Game

Under the guidance of Prof Sivakumar IIT Bombay

- Created a game named connect four in which two search agents running on two different algorithms i.e. Alpha-beta pruning and Monte Carlo tree search MCTS compete against each other, where it comes out that MCTS is more proficient algorithm as compared to Alpha-beta pruning.

Time Table Scheduler

- Made a program using Python Z3 library which automatically prints the Time Table given certain constraints thereby reducing a lot of manual work.

Android App

- Developed an android app for IIT Goa Sports Fest (Chakravayuh) which displays the live scores. Used fragments, view pagers, adapters and various layouts to make this app a successful project and published it on Google Play Store.

Maze Solver Autonomous Car

- Built an Autonomous Maze Solver car in(Digital Design course) which detects and dodges hurdles to finally reach the goal state which can be dynamically set. It involved Arduino, Various Sensors and various programming skills (Data Structures and Algorithms).

Arduino RC car

- Built an Arduino Based the RC car which runs on an app designed using MIT App Inventor.

Work Experience

Summer Internship - IIT Bombay

Summer Project | June-July 2019

- Designed a game named connect four in which two search agents running on two different algorithms i.e. Alpha-beta pruning and Monte Carlo tree search MCTS compete against each other, where it comes out that MCTS is more proficient algorithm as compared to Alpha-beta pruning.

Positions Of Responsibilities

Coding Club Core Member:

Part of IIT Goa's coding club 2018-20

Electronics and Robotics Club Core Member:

Selected as a core member of IIT Goa Electronics and Robotics Club 2018-2019

App Developer:

Designed an android app for IIT GOA (Sports Fest) Chakravayuh and published it on play store.

Mentor:

Selected as a student mentor to help weak students in studies.

Extracurriculars

- Participation certificate for attending International Capsule Workshop "LIFE IN SPACE" by IARC.
- Certificate of participation in Computational Material Science Workshop.
- Certificate of participation in PCB Design Workshop in GEC college Goa.
- Won several Gold and silver medals in Olympiads like NSO, IMO in class 9th and 10th.
- Rank in Top 10 District Level "Spot Einstein Contest" conducted by Vidya Mandir Classes in 8th standard.

Neeraj Khatri

Indian Institute of Technology, Goa

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Github: [Link](#) / LinkedIn: [Link](#)

Objective

Seeking an opportunity that challenges me to reach my full potential professionally and personally, utilizing my abilities in the organization. My endeavor and dedication in the job will be helpful in achieving the organization's goals.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 7.36/10.00

- Candidate for Bachelors of Technology, Computer Science from the School of Mechanical Sciences, IIT Goa.

Relevant Courses

Offline Courses: Data Structures and Algorithms, Machine learning, Computer Networks, Computer Architecture, Discrete Mathematics, Data Analytics.

Online Certifications: Machine Learning (Stanford University [Link Certificate](#)), A crash course in Data Science (John Hopkins [Link Certificate](#)), Applied Text Mining in Python (Michigan University [Link Certificate](#)).

Projects & Technical Experience

Machine learning : "Sentiment Analysis of Amazon Reviews"

Spring '2019

- Work with NLTK library for data processing and finding the patterns.
- Categorize reviews into positive and negative clusters from Amazon using Sentiment Analysis And Text Analytic.
- Techniques used are Bag of words, Tf-idf, word2vec and some modifications of these techniques by taking Average or assign weights.

Machine learning : "Tic-tac-toe using Mini-Max Game Search Algorithm" [Academic Project]

Autumn '2019
IIT Goa

Guide: Prof. Clint George

- Developed Tic-tac-toe game using Kivy library and Mini-Max Game search algorithm.
- Increasing the efficiency of code with the help of "Frozen State" concept.

Machine learning : "Diabetic retinopathy Detection" [Academic Project]

Autumn '2019

Guide: Prof. Clint George

- Developed a model which detect the diabetic retinopathy (eye diseases) in early stages and Prevent individual from getting blind.

IIT Goa

Machine learning : "Recommendation System on movie lens Data-set" [Academic Project]

Autumn '2019

Guide: Prof. Clint George

- Built a movie recommendation system based on user based collaborative filtering using Movie lens data-set.

IIT Goa

Logic in Computer Science, IIT Goa: "Time Table Scheduling Program"

Autumn '2019

October-November 2019

- Developed a program that is based on Time Table Scheduling to SAT reduction approach using Z3 SAT solver.

IIT Goa

Work Experience

Indian Institute of Technology Goa

Machine Learning Intern | May-July 2019

- Project 1: Built an ML model that can predict sea urchin fertilization on the basis of pH variability. (Publication Medium [Link](#))
- Project 2 (Ongoing): Building a ML model to predict water column properties with given parameters.

Extracurriculars & Positions Of Responsibilities

Treasurer, IEEE Chapter IIT Goa	:	IEEE Chapter IIT Goa, Fall 2019-20, IIT Goa
Inter-IIT sports meet	:	Represented IIT Goa twice in Inter IIT Sports Meet [Dec 2017 and Dec 2018]
Speaker PyCon Competition	:	Presented poster on the approach to predict the fertilization of sea urchin. Link 2019
Chakravayuh, Organizing team:	:	Intra-College Sports Event Sports event of IIT Goa 2018

Skills

Computer Skills: Python, Scikit-Learn, Tensorflow, Keras, C, C++, Latex, Inkscape, MySQL, Matlab, HTML, Solidworks, Autocad

Other Skills: Team Management, Leadership, Hard Working, Sports Person, Fast Adaptability.

Other Achievements

- Represent MP state in U-14 Rajsingh Dugarpur Cricket Trophy 2012 Dec-2013 Jan.
- Secured an all India rank of 4494 out of 0.2 million candidates appeared for JEE Advance '2017.
- Among the 10% candidates at the institute appeared for the National Standard Examination in Chemistry, IAPT.

Paras Yadav

Indian Institute of Technology, Goa

Third Year Undergraduate, Computer Science Engineering

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[LinkedIn](#) / [Github](#)

Objective

Being a programmer and machine learning enthusiast, I wish to work on the automation of the medical sector using accurate self-diagnosing systems. I've worked on detection of pneumonia from chest x-ray images, which uses a simple drag and drop GUI so that it can be used by anyone anywhere in the world. I am aiming to become a machine learning engineer in the future and trying my best to work for the betterment of our society.

Relevant Coursework

Data Structures and Algorithms, Design and Analysis of Algorithms, Discrete Mathematics, Calculus, Logic in Computer Science, Automata Theory, Software Systems, Computer Networks, Computer Architecture, Artificial Intelligence.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 8.12/10.00

- Candidate for Bachelors of Technology, Computer Science Engineering from the School of Mathematics and Computer Science, IIT Goa.

Rishi Public School, Gurgaon

ISC Board 2014-16 | Score: 92.4%

Course Projects & Technical Experience

Detection of Pneumonia from Chest X-ray images using Deep CNN

October-November 2019

- Developed a machine learning model trained to accurately detect pneumonia from chest X-ray images, along with a GUI for easy use by anyone.

Reliable Data Transfer Protocol

March-April 2019

- This project involved extensive research on the working of various data transfer protocols. The final result was the development RDT 2.2 and RDT 3.0 in Python and it's simulation using SimPy.

Web Development

October-November 2018

- Online event registration and login website, both front and back-end. The front end uses HTML, CSS, JavaScript and Bootstrap, while the back-end is PHP.
- All the user registration data is stored in an encrypted MySQL database, which has an admin access option.

XLR8 robot

January-April 2018

- An Arduino based project where our team built a Bluetooth controlled vehicle, controlled using a mobile app we built ourselves.

Autonomous Line Follower Robot

January-February 2019

- An autonomous robot which follows a black line using IR sensors. Presented this project at NIT Goa's tech fest.

Work Experience

Digital Defynd

Online Internship | Feb-March 2019

- Successfully completed a month long internship programme at Digital Defynd working as a digital marketing intern.
- Got my first corporate experience and learnt the basics of Google AdSense.

Karvy Private Wealth

Data Analysis Intern | May-June 2019

- Worked alongside a team of experts analysing user data and behavioural patterns.

Extrovert Information Technology Pvt. Ltd.

Web Development Intern | June-July 2019

- Worked as a web development trainee working on website development for clients, with an emphasis on javascript.

Extracurriculars & Positions Of Responsibilities

Bronze Medal, Chakravayuh:

Won bronze medal at IIT Goa's first Sports Fest Chakravayuh.

Mess Council [2019-Present]:

Elected member of the Mess council of IIT Goa.

Internshala Student Partner 13:

Responsible for spreading awareness among my peers about various internship opportunities.

Inter IIT Impact League:

Actively participated in a month-long walkathon where the proceedings went to charity.

Skills

Computer Skills: C, C++, Java, Python, R, Octave, Tensorflow, MatLab, VHDL, MIPS, Verilog, AutoCAD, Solidworks, Inkscape, HTML, CSS, Javascript, PHP, MySQL.

Priyanshu Singh

Indian Institute of Technology, Goa

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Computer Science and Engineering
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LinkedIn Link - <https://www.linkedin.com/in/priyanshu-singh-89159815a>

Objective

Seeking internship in Computer Science to broaden my mind, pursue practical knowledge, implement my knowledge in mainly artificial intelligence in real life applications and bring a constructive change in society. Being an all rounder is my main motive let it be in research, corporate world or in real life, I want to be an ideal leader.

Education

Indian Institute of Technology Goa

Batch of 2017-Present | CPI: 7.7/10.00 [completed 5 semesters]

- Student for Bachelors of Technology, Computer Science from the School of Computer Sciences and engineering, IIT Goa.

Sacred Heart Convent Senior Secondary School, Mathura, UP

ICSE Board 2015 | Score: 92%

St. Dominics School, Mathura, UP

CBSE Board 2015-2017 | Score: 96%

Course Projects

Built a fully autonomous maze solver bot[[Report](#)] :

- Divided work into 2 teams, 2 students in each team, one team performed programming part and other team performed the hardware design part, I was in software team. The bot was built using Arduino, Ultrasonic and Infrared Sensors to detect walls, DC Motors and L293D. The bot was designed to store only correct path and dijkstra algorithm was used to find the shortest path.

Made remote controlled car:

- Built a remote controlled car using Arduino and DC Motors along with L293D. developed an app using MIT App inventor to control the car via HC-05 Bluetooth module.

Technical Projects

Building a game: Flappy bird with artificial intelligence for it [In Progress]: [Supervisor - None] [Jan. 2020 - Present].

Designed web page for IIT-Goa Cultural Fest:

- Was in the web page designing group, I did 3 pages for the web page(front end).

Experience

Interned at IIT Bombay under Prof. G. Siva Kumar Reddy[[Github Link](#)]

- Made the game, "CONNECT-4" and learnt and implemented AI algorithms like minimax, Alpha-Beta pruning, MCTS. I personally found MCTS, as the most interesting one, and would love to be a part of making such projects ahead.

Skills

Computer Skills: C, C++, Python, Java, MATLAB, AutoCAD, Solidworks, MS Word, MS Excel, Haskell, Brainfuck, Latex, R(in-progress), Haskell(in-progress)

Electrical Skills: VHDL, Arduino UNO.

Positions Of Responsibilities

Student Mentorship Program

Assigned and mentored to 3 Students (2018-Present)

Extra Curriculars and Hobbies

-Love intellectual Shows and movies
-Highly fond of heavy metal rock music

-Like playing the guitar

Baviskar Rahul

Indian Institute of Technology, Goa

Third Year Undergraduate , Computer Science and Engineering

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www.linkedin.com/in/rahul-22kar

Objective

I am a hard working individual, looking for an organisation to put my programming and problem solving skills to test and enhance my knowledge. I have a good amount of experience with IoT, robotics and web application development through various projects and would like to get some hands on industrial experience.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 7.56/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering from the School of Computer Sciences, IIT Goa.
- Relevant Coursework: Data Structure and Algorithms, Design and Analysis of Algorithms, Artificial Intelligence, Introduction to Computer Networking, Introduction to the Theory of Computation, Computer Architecture, Software Systems.

Rajiv Gandhi School of E-Learning and Science Junior College, Pune

Maharashtra State Board 2015-16 | Score: 86.4%

- Did Matriculation from Maharashtra HSC in Sciences with Bi-focal in Computer Sciences.

Course Projects & Technical Experience

Training And Placement Cell Portal [Institute Project]

January 2019 - Ongoing

- Development of a Portal for Institute to manage the Placements and Internship applications and information.
- Used React JS for Frontend, Express JS for Backend, MongoDB for data management.
- Worked on three interfaces Admin, Company and Student.
- Deployment and Maintaining on IIT Goa Server .

Cube Solving Bot[Personal Project]

January 2019 - Ongoing

- A project to design a bot that solves Rubik's cube for any valid configuration.
- The algorithm takes in the image of a cube and returns a series of steps that the cube should take to solve.
- The algorithm used for solving the cube is F2L, OLL, PLL which takes a maximum of 40 steps.
- Learnt algorithm designing and optimization.

Prototype for Robocon 2018

November 2018 – December 2018

- Made a prototype for Problem Statement of Robocon 2018.
- Designed a four legged robot with joints which was controlled by 12 servo motors and arduino.
- Wrote a program to make the bot follow specific path which was hardcoded.

Alcohol Level Sensing Alert and Engine Locking for Vehicles [Academic Project]

April 2019

- Modelled a vehicle with a selfmade Bluetooth Controlled Car .
- After a certain amount of Alcohol level was detected by the sensor the car would give a warning and stop.
- Message sending mechanism with GPS Location(through Mobile Phone) was also implemented with GSM Module.

Work Experience

Teaching Assistant for CS101

August-December 2018

- Worked as a teaching assistant under Prof. Somnath Biswas.
- We had to guide the students to write their programs in C++.

Extracurriculars & Positions Of Responsibilities

Cult Rang, Management Team :

IIT Goa Cultural Festival Organising Team [Dec 2018-Present]

Head of Originals (Photography Club):

IIT Goa Cultural Council [Academic year 2018-19]

Inter IIT Cultural Meet, 51 Hour Film-Making:

IIT Roorkee Inter IIT Cultural Meet 2018 [Dec 2018]

Bassist in the Band:

IIT Goa Music Club

Sponsorship Coordinator for Motorsports:

IIT Goa Motorsports 2018, IIT Goa

Business Plan Presentation :

Formula Bharat 2018, Coimbatore, Tamil Nadu

Skills

Programming Languages: Python, JavaScript, C++, HTML, CSS

Frameworks/Libraries: React JS, Express JS, Tkinter, Mongoose

Miscellaneous: Git, Arduino, Basic Understanding of Linux Systems, Adobe Photoshop, Adobe Premiere Pro

Kashyap Rahul

Indian Institute of Technology, Goa

Third Year **Undergraduate**, Computer Science and Engineering

IIT Goa, Farmagudi, Goa 403401

Phone : +91 7696857811

Email

[LinkedIn](#), [Github](#) and [Portfolio Website](#)

Objective

A Computer Science and Engineering major with a strong passion to create. I have developed skills in the field of Computer Science during the last few years in IIT Goa and I am keen on working with a process-driven organization to add value.

Education

Indian Institute of Technology Goa

Batch of 2017-21

- Candidate for Bachelors of Technology, Computer Science and Engineering, IIT Goa.

Capt. Amol Kalia Fertilizer Model Sr. Sec. School

CBSE 2015-17 | Score: 88%

- Completed XII in the field of Science and Mathematics.

Projects & Technical Experience

Movie Recommendation System [Academic Project]

Developer | August - September 2019

- Used item-item based collaborative filtering for objective results.
- Processed a dataset of 20M ratings and 200K users.
- Applied Cosine Similarity for checking the closeness of a movie.

Anonymous Chat [Personal Project]

Designer and Developer | May-August 2019

- Used Firebase and Firestore for Backend and Database.
- Vue.js and Bootstrap for Client Side development.
- Room Alias, Password Protection, Group Chat.
- Hidden/Protected Links.

IIT Goa App

Designer and Developer | August 2019 - Present

- Developed an app using Google's Framework Flutter.
- Features include Mess Menu, Complaint and Feedback System, etc.

Work Experience

Classification of Areca Nuts using Image Recognition

Data Collection and Classifier Developer at Bagayatdar, Ponda | May-June 2019

- Trained a CNN Classifier to differentiate between 4 different grades of areca/betel nuts.
- Conducted 3 successful field visits to the Bagayatdar Yard and plantation farms to collect samples and information about the Betel Nuts.
- Achieved an accuracy of 71.3% in the classification of nuts. (Still Improving)

Automated Grading System

Summer Research Intern under the Guidance of Dr Amaldev Manuel, IIT Goa | May-June 2018

- Theorized an automated assignment grader.
- Studied previous works done, eg - Web-CAT.
- Features of gradation - accuracy, speed, efficiency, cleanliness and clarity of code.

Skills

Computer Languages: C++, Python, Javascript, Java, C, Dart, BASH

Relevant Coursework: Artificial Intelligence, Computer Architecture, Data Structures and Algorithms, Design and Analysis of Algorithms, Discrete Mathematics, Automata Theory, Computer Networks, Linear Algebra, Calculus

Frameworks and Softwares: Firebase and Firestore, UNIX and Shell Scripting, Git and GitHub, LaTeX, Flutter

Web Technologies: Vue.js, MERN Stack, HTML, CSS, PHP, MySQL

Positions Of Responsibilities and Volunteer Experience

Microsoft Student Partner:

Goa Region [Sep 2019-Present]

Go Myno Core Member:

IIT Goa's Official Coding Club [Aug 2018-Present]

Coding Blocks Campus Ambassador:

Coding Blocks Representative at IIT Goa [Sep 2019- Present]

Night Classes Instructor:

Data Structures and Algorithm, [Jan 2018 - Apr 2018]

Microsoft Insider:

Volunteering for finding bugs and testing out their latest technology. [Sep 2019 - Present]

Jagtap Raj Suryakant

Indian Institute of Technology, Goa

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Objective

I am seeking an internship in Computer Science to enhance my knowledge in the field of Algorithms, Machine Learning and Software Development. I am drawn towards Machine Learning and its uses in real world. I am eager to work in a project which will broaden my vision in these fields.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 9.4/10.00

- Candidate for Bachelor of Technology, Computer Science and Engineering from IIT Goa.

Pace Junior Science College Dadar, Mumbai

Maharashtra State Board 2015-17 | Score: 92.92%

- Did Matriculation from Maharashtra HSC in Science with Bio-focal in Electrical Maintenance.

Technical Experience

Machine Learning, IIT Goa: "Predicting Region Specific Properties of Water"[Research Project]

Oct 2019-Ongoing | Advisor : Dr. Clint P. George

- Designing a Machine Learning model to predict the region specific parameters of water using remote sensing reflectance data.
- The aim of this project is to replace analytical model to find region specific parameters.
- When completed, this model will be predict water properties and concentrations of dissolved matter in real time.

Formula Bharat 2020: IIT Goa Motorsports

Suspension Team Head | Jan 2018-Present

- Designed Push-Rod type Suspension and helped in wheel assembly for a Formula Style Electric Racing Vehicle.
- Pioneer member of Institute Motorsports Team to compete in the national collegiate level competition, Formula Bharat.

Winter Internship : Elite Techno Groups

Electric Vehicle Team Member | Jan 2020

- Designed and built a Formula-5 electric race car.

Course Projects

Artificial Intelligence, IIT Goa: "Games using Mini-Max"[Academic Project] [\[Code\]](#)

Sept-Oct 2019

- Built an AI bot to play Tic-Tac-Toe with a human.
- Delivered a lecture on Mini-Max topic and its applications.

Artificial Intelligence Lab, IIT Goa: "Diabetic Retinopathy Detection using Images of Retina"[Academic Project]

Sept 2019-Present

- Made a CNN (Convolutional Neural Network) to identify people with Diabetic Retinopathy using just images of their retina.
- This model can classify the people in 5 classes based in severity of Diabetic Retinopathy from 0 to 4.

Logic in Computer Science, IIT Goa: "Time Table Scheduling Software"[Academic Project] [\[Code\]](#)

Sept 2019-Present

- Made an algorithm to make timetable of our university using Boolean Logic.
- This algorithm takes input of batch of students who have registered for the course, professors who are teaching the course and prints out the timetable in Excel Sheet.

Digital Logic Design, IIT Goa: "Smart Stick for Blind"[Academic Project] [\[Code\]](#) [\[Demo\]](#)

Feb-May 2019

- Made an obstacle detecting stick for blind people which vibrates when any obstacles is in 30 cm distance.
- Made a remote for finding the smart stick using beeping sound.

Institute Funded Project

Bike Crash Detection Sensor [Team Project]

Sept 2019-Present

- Designing a sensor and cloud based system which can detect a "Bike Crash" and is able to call for help from nearest medical facility.
- This project got selected for funding by Institute Innovation Council.

Personal Projects

Built Android Apps

Dec 2017-Present | Android Studio

- [STAB IIT Goa App](#)
- [Chakravayuh- IIT Goa Sports Event App](#)
- [Arduino Controller](#) [\[Code\]](#)
- [Laundry Record](#)

Built Neural Network for Face Recognition

Jan-Feb 2019 | MATLAB

- Built and Trained Deep Learning Neural Network to see and recognize people.
- Created a dataset of 700 images of 10 people each for training the network.

Extracurriculars & Positions Of Responsibilities

Branch Representative:	IIT Goa B. Tech Computer Science and Engineering, Academic Year: 2019-20
Class Representative:	Batch 2017-2021, Computer Science and Engineering, IIT Goa, Aug 2019- Present
Technical Club Head:	The Electronics and Robotics Club, IIT Goa [Aug 2019-Present]
Teaching Assistant for the Course CS 101:	Introduction to Computer Science with Python, Autumn Semester 2019, IIT Goa
Team Leader:	IIT Goa Motorsports, Suspension Team [Jan 2018-Present]
Core Member:	M-DASH, Mechanical- Design Analysis and Simulations Club, IIT Goa [Sept 2019-Present]
SUGC Representative:	Representative of Senate Undergraduate Committee, IIT Goa Academic Year 2019-20
Participant of Inter-IIT Tech Meet:	7 th Inter-IIT Technical Meet 2018, IIT Bombay
Student Mentor:	Mentored 2 students under Institute Mentorship Programme.

Skills

Programming Languages:	Python, C++, C, MATLAB, JavaScript, PHP, HTML, LaTeX, VHDL, Assembly, Verilog, Dart
Integrated Development Environments:	Android Studio (Java, XML), MATLAB, Unity Game Development (C#, Unity Editor), Flutter, Xilinx
CAD software:	AutoCAD, SolidWorks
IOT:	Arduino, Raspberry Pi 3
Computer Skills:	MS Word, MS Excel, MS PowerPoint, Adobe Photoshop, Windows, Linux (Ubuntu), MacOS

Khoiwal Raj Hansini

Indian Institute of Technology, Goa

Third Year **Undergraduate** , Computer Science & Engineering
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[LinkedIn](#) / [Github](#) and [Links](#)

Objective

Zeal to innovate and come up with new solutions for existing machine learning problems. Keen to apply my coding skills in real life projects and increase my knowledge in algorithms domain. Explore Machine Learning and Artificial Intelligence and work on real time problems.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 8.4/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering from the School of Mathematics and Computer Science, IIT Goa
- Relevant Coursework: Artificial Intelligence, Data Structures, Data Analysis, Discrete Structures, Design and Analysis of Algorithms, Computer Networks, Automata Theory and Theory of Computation, Software Systems, Numerical Analysis.

St. Anthony's Sr Sec School, Udaipur

Central Board of Secondary Education 2014-16 | Score: 95%

- Did Matriculation from CBSE in Sciences with Bio-focal in Computer Sciences.

Course Projects & Technical Experience

Artificial Intelligence, Term Project [Academic Project]

November 2019

- Detection of retinal damage due to diabetes using OpenCV and Tensorflow. .

Artificial Intelligence, Movie Recommendation System [Academic Project]

August 2019

- Made a movie recommendation system using movie review database and k-NN algorithm.

Portal for storing health data in digitized format- SIH GRAND FINALE 2019

February-March 2019

- Developed a progressive web app to run a model that converts form data into digitized health records, to store these records in a database and to search and view these records. Web Technology Stack: MERN (MongoDB, Express.js, React, Node.js)

IRCTC Query Time Improvement

March 2018

- Utilized hash table to reduce the search query time of schedule of trains from seconds to milliseconds over 80 lakh real time records. [CODE LINK](#)

Work Experience

TRAVEL GRANT-PYCON 2019

October-2019

- Received travel grant for poster presentation at Pycon 2019 held at Chennai.

RESEARCH INTERN-IIT GOA

Summer Engineering Intern | May-June 2019

- Project 1: Built an ML model that can predict sea urchin fertilisation on the basis of pH variability.
- Project 2(Ongoing): Building an ML model to predict water column properties given certain parameters (CDOM, algal absorption etc).

TRAINING INTERN-BHARAT SANCHAR NIGAM LIMITED (BSNL)

Intern | May-July 2018

- Learnt about the working of communication network based on telephone lines spread across India and studied switches, routers, IP addressing.

ACM Student Chapter IIT Goa Website

January 2019

- Developed the website and handle the social media accounts for the chapter (2018-2019).

Extracurriculars & Positions Of Responsibilities

Developers Student Club(DSC) Lead:

Powered by Google Developers (2019-2020)

SIH(Smart India Hackathon):

GRAND FINALIST 2019

ACM CHAPTER IIT GOA WEB MASTER:

2018-2019

Internship and Placement Cell Coordinator :

(2019-Present)

TA for CS 101 Course:

(August 2018-November 2018), (August 2019-November 2019)

Head of Marketing ECELL IIT GOA:

(2018-2019)

Inter IIT Sports Meet 2018:

Participant in badminton(doubles)

Skills

Programming Languages: C, C++, Python

Web Development: HTML, CSS, SQL, JavaScript

Miscellaneous Skills: VHDL, Assembly Language, LaTeX, MATLAB, CAD-AutoCAD and SolidWorks, MySQL, Linux shell

Co-Curricular: Debating, Poem Writing, Story Writing

Abhay Sharma

Indian Institute of Technology, Goa

Third Year Undergraduate, **Computer Science & Engineering**

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E-mail : abhay.sharma.17001@iitgoa.ac.in • Phone : +91 9131888122

linkedin: [absharma-159](#)

Objective

Machine learning enthusiast & self-motivated student seeking a full-time 6 months internship. I aim to strive for excellence in the field of Computer Science & Engineering with proactive approach and dedication in a good organization.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 6.6/10.0

- Candidate for Bachelors of Technology, Computer Science & Engineering from the School of School of Mathematics & Computer Science, IIT Goa.
- Relevant Coursework: Artificial Intelligence, Computer Programming and Utilization, Data Structure & Algorithms, Data Analytics, Computer-Architecture, Digital Logic Design, Automata Theory, Logic in Computer Science, Model Checking & Software Verification.

Green Wood Public School, Gwalior, MP

CBSE Board 2014-16 | Score: 86.8%

- Did Intermediate in science stream.

Course Projects & Technical Experience

Stock Market Predictor : Artificial Intelligence Lab, IIT Goa [Academic Project]

Under the Guidance of Dr. Clint P. George | July-Nov 2019

- Developed a Machine Learning model to predict future stock prices from previous data.
- Prediction of stock prices using Deep Learning models and Long-Short Term Memory (LSTM) Neural Network algorithms.

Road Safety Solution for Drunken Driving : Digital System Lab, IIT Goa [Academic Project]

Under the Guidance of Prof. Nandkumar Nambath | Feb-march 2019

- Designed a device for smart locking of the vehicle on the detection of alcohol in the breath of the driver.
- Auto message generator to inform the drunken state of driver to authority.
- Devices and Technologies used: Arduino Uno, GSM & GPRS Module, MQ3 sensor, servo motor etc.

Ball Saver Game : C++ Programming Language Lab, IIT Goa [Academic Project]

Under the Guidance of Prof. Abhiram Ranade, IIT Bombay | Sep-Nov 2017

- Developed with coding in SimpleCPP language graphics (IIT Bombay library package).
- Game is similar kind of "Wall Breaker" game in which we have to save the ball from falling down.

RC Bot, Line Follower Bot & Smart Home Automation [Non-Academic Project]

Self Guided

- Built a remote-controlled bot using Arduino Uno, HC-05, MIT App Inventor and other electronic tools.
- Line following bot using Arduino Uno & IR proximity sensor.
- Designed the automatic light and door for smart home using Arduino Uno, Relay, Ultrasonic sensor, servo motor, etc..

Work Experience

UntitledOne Workshops

Intern, Web Development | Work From Home | December, 2018

- Developed the portal for event registration using HTML, CSS, JavaScript, PHP, MySQL as database.

Empirical study on Ancient Sanskrit Corpora

Summer research intern under the guidance of Dr. Clint P. George, IIT Goa | May-June, 2019.

- Machine learning based word prediction and writing style detection.
- Statistical analysis of the words in the Vedas & other ancient sacred texts, which includes the web scraping using **scrapy**, word tokenization, and plotting the most frequent words in the texts.
- Building a model to find the most suitable sentence for a given sentence with spelling mistakes.
- Now, we are looking forward to find the possible number of authors of Vedas using author based topic modelling i.e. **stylometric** approach.

Skills

Programming Languages: C++, Python, R, Verilog, VHDL, Arduino

Software: MATLAB, LATEX, AutoCAD, SolidWorks, Inkscape

Development: HTML, CSS, JavaScript, PHP, Bootstrap, MySQL

Miscellaneous: Natural Language Processing (NLP), TensorFlow, OpenCV

Extracurriculars & Positions of Responsibilities

Hostel Representative:

IIT Goa Hostel Council | 2017-19

Inter IIT Cultural Meet:

Participated in Street Play in Inter IIT Cultural Meet held in IIT Roorkee| December, 2018

Student Mentor:

Appointed as student mentor under ISM Program, IIT Goa|2019-till now.

Festive Manager:

IIT Goa Cultural Council | 2019-20

Purchase Team Head :

Cultrang, IIT Goa's Techno-Cultural fest | 2020

Club Member:

Electronics & Robotics Club, Debate Club IIT Goa.

Anshul Sharma

Indian Institute of Technology, Goa

Third Year Undergraduate, Computer Science Engineering

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<https://www.linkedin.com/in/anshul-sh/>

Objective

Currently college undergraduate with knowledge in C++, Python, an excellent work ethic desire to gain an internship in your organization in order to improve my technical skills and practical knowledge.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 7.3/10.00

- Candidate for Bachelors of Technology, Computer Science Engineering from the School of Computer Science, IIT Goa.
- Relevant Coursework: Data Structure and Algorithms, Artificial Intelligent, Design and Analysis of Algorithms, Discrete Structures, Computer Network, Logic in Computer Science

Jawahar Navodaya Vidyalaya GulabGarth, Yamuna Nagar, Haryana

Central Board of Secondary Education 2015-16 | Score: 90.2%

- Did Intermediate in science stream.

Course Projects & Technical Experience

Artificial Intelligence Lab, IIT Goa: Building Movie Recommendation System [Academic Project]

Under the Guidance of Prof. Clint P. George, IIT GOA | July-Nov 2019

- Developed with coding in Python.
- Built a movies recommender based on user action.

Artificial Intelligence Lab, IIT Goa: Stock Market Predictor [Academic Project]

Under the Guidance of Prof. Clint P. George, IIT GOA | July-Nov 2019

- Developed a Machine Learning model that can predict future stocks prices by looking at previous data.

Digital System Lab, IIT Goa: Road Safety Solution for Drunken Driving [Academic Project]

Under the Guidance of Prof. Nandkumar Nambath | February-march 2019

- Designed a device for smart locking of the vehicle on the detection of alcohol in breath of driver, and send a message to the car owner's home/respective authority to inform them. Message contains the location of the car.
- Devices and Technologies used: Arduino Uno, GSM&GPS Module, MQ3 sensor, servo motor etc.

Remote Controlled Bot [Non-Academic Project]

September-November 2017

- Designed a remote-controlled bot using Arduino Uno, MIT App Inventor

Work Experience

Summer Internship: Statically Analysis of Ancient Sanskrit Text

Interned under the guidance of Prof. Clint P. George, IIT Goa | May-June 2019.

- Scrape the Ancient text (Vedas) from web using Python with Scrapy Spiders
- Made and visualize Frequency graphs of words
- Used topic modelling

Skills

Programming Language: C++, Python

Web Development: HTML, CSS, PHP, JavaScript.

CAD Software: AutoCAD, Solidworks.

Operating System: Linux (Ubuntu), Windows.

Miscellaneous: VHDL, MATLAB, LATEX, MS excel, PowerPoint, MS word.

Extracurriculars

Play Table Tennis

Participation: ACM ICPC 2018-19, 2019-20 (regional level), Snackdown by codechef 2018-19(up to 3rd round, pre elimination round)

Participated in many other coding competitions on codechef, codeforces and hackerrank

Link of codechef profile: <https://www.codechef.com/users/anshul565>

Link of codeforces profile: <https://codeforces.com/profile/anshul565>

Deepak Das

Indian Institute of Technology, Goa

Third Year Undergraduate, **Computer Science** Engineering

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Objective

Proactive computer science student having knowledge in C++ and python seeking an internship in the field of Machine Learning and Software Development in a good organisation where I can effectively contribute my work to the growth of the organisation.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 8.00/10.00

- Candidate for Bachelors of Technology, Computer Science Engineering from the School of Computer Science, IIT Goa.
- Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Data Analytics, Artificial Intelligence, Logic in Computer Science Discrete Structures, Computer Networks, Automata Theory, Computer Architecture..

Jay Bharat School, Janjgir

Central Board of Secondary Education 2016-17 | Score: 80%

- Did Inter in Sciences.

Course Projects & Technical Experience

Artificial Intelligence Lab, IIT Goa: Stock Market Price Predictor[Academic Project]

Under the guidance of Prof. Clint P. George, IIT GOA | July-Nov 2019

- Developed a Machine Learning model that can predict future stock prices, looking at previous data.
- Used Keras to build LSTM model to predict prices, using historical data of Amazon stock prices.
- Improved accuracy of model by fine tuning the hyperparameters of the model and then selected the final value for each of them.

Artificial Intelligence Lab, IIT Goa: Movie Recommendation System[Academic Project]

Under the guidance of Prof. Clint P. George, IIT GOA | July-Nov 2019

- Built a console based movies recommender in python.
- Used the movie watched by the user to recommend other movies.
- Used KNN from sklearn to find k most similar movies for input movie.

Digital System Lab, IIT Goa: Road Safety Solution For Drunken Driver[Academic Project]

Under the guidance of Prof. Nandkumar Nambath | February-march 2019

- Designed a smart locking system for the ignition control of vehicle..
- System locks the ignition control when alcohol is detected in the driver's breath, and sends a message to the car owner's home/respective authority to inform them. Message also contains car's location.
- Used MQ3 sensor to detect alcoholic gases in driver's breath. Also used Arduino Uno, GSM-GPS module, servo motor etc.

Remote Controlled Bot[Non-Academic Project]

September-November 2017

- Built a remote controlled bot using Arduino Uno, and MIT App Inventor.

Work Experience

Summer Internship: Climate Change

Under the guidance of Prof. Clint P. George, IIT Goa | May-June 2019

- Analysed climate trends around the globe for over a period of 50 years..
- Used Full grid data of global temperature and precipitation and did time series analysis for visualising trends in R.

Achievements and Extracurriculars

Participated in ACM ICPC 2019-2020(Regional Level).

Finished in the top 5% in IIT Goa in aptitude test conducted by EDUCBA for offering of online courses.

Student mentor for academic year 2018-19.

Skills

Programming Languages: C++, Python, R, Assembly, VHDL

Web Development: HTML, CSS, JavaScript, PHP, MySQL

CAD Softwares: Solidworks, AutoCAD

Software: Latex, MS Word, MS Excel, MS PowerPoint

OS Platforms: Linux(Ubuntu), Windows

Chetiwal Dushyant

Indian Institute of Technology, Goa

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[LinkedIn](#)

Objective

I am a passionate collaborator and pro-active volunteer with a balanced focus on both academics and personal development and I am eager to work with people who are ambitious and visionary. Keen learner with artistic insight and quick wit. I have developed people skills and acquired knowledge in the field of computers during my stay at IIT Goa and I am sure to add value to the organization through smart and hard work.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 7.7/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering from the School of Mathematics and Computer Science, IIT Goa.
- Relevant Coursework: Artificial Intelligence, Logic Theory, Data Structures, Data Analysis, Discrete Structures, Design and Analysis of Algorithms, Computer Networks, Automata Theory and Theory of Computation, Software Systems, Numerical Analysis

Chiranjiv Bharati School, Gurgaon

Central Board of Secondary Education 2015-17 | Score: 95%

Course Projects & Technical Experience

Digital Circuits Lab, IIT Goa: Automated Traffic Light System [Academic Project]

April 2019

- Made a model Traffic Light using Arduino UNO and IR Sensors with automatically distributed active time limit

Artificial Intelligence Lab, IIT Goa: Movie Recommendation System [Academic Project]

August 2019

- Made a movie recommendation system using movie review database and k-NN algorithm in python 3.6 using NumPy and pandas

Artificial Intelligence Lab, IIT Goa: Handwritten Text Recognition [Academic Project]

November 2019

- Made a neural network based handwritten text recognition system using IAM database in python 3.6
- Used CNN, RNN and CTC layers to train the model

Work Experience

Machine Learning Internship, IIT Goa

Intern under the Guidance of Dr Clint P. George, School of Mathematics and Computing, IIT Goa | May-June 2019

- Analyzed climate trends around the globe for over a period of 50 years with visualizations and data manipulation done using R

Extracurricular & Positions of Responsibilities

Active Club Member:	Literature Club, IIT Goa [2018]
Student Mentor:	IIT Goa [2018-19]
Cult Rang, Member of Public Relations Team:	IIT Goa Cultural Fest, 2019
Cult Rang, Member of Content Writing Team:	IIT Goa Cultural Fest, 2019

Skills

Programming Languages: C, C++, Python, R

Web Development: HTML, CSS, SQL

Miscellaneous Skills: VHDL, Adobe Photoshop, GIMP, MS Word, MS Excel, MS PowerPoint, LaTeX

Co-Curricular Interests: Creative writing, playing flute

Mathur Pallav

Indian Institute of Technology, Goa

Third Year Undergraduate, **Computer Science** and Engineering

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<https://in.linkedin.com/in/pallav-mathur-010037ab>

Objective

I am keen on working with an organisation for increasing my knowledge as well as for my personality development. With my leadership quality, my strong problem-solving skills and the technical skills that I have acquired in my field during the last few years in IIT Goa, I hope to work for mutual growth.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 8.04/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering from the School of Mathematics and Computer Science, IIT Goa.
- Relevant Coursework: Artificial Intelligence, Data Structures, Data Analysis, Discrete Structures, Design and Analysis of Algorithms, Computer Networks, Automata Theory and Theory of Computation, Software Systems, Numerical Analysis, Computer Architecture, Model Checking and Software Verification

Cambridge Court High School, Jaipur

Central Board of Secondary Education 2015-17 | Score: 92%

Course Projects & Technical Experience

Artificial Intelligence Lab, IIT Goa: Handwritten Text Recognition System [Course Project]

August-November 2019

- Made a neural network based handwritten text recognition system using IAM dataset.
- Used CNN, RNN and CTC layers to train the model

Digital Circuits Lab, IIT Goa: Piezo based Drum kit [Academic Project]

January-April 2019

- Made a portable drum kit using Arduino UNO and Piezo Sensors

Artificial Intelligence Lab, IIT Goa: Movie Recommendation System [Academic Project]

August 2019

- Made a movie recommendation system using movie review database and k-NN algorithm

Skills

Programming Languages: C, C++, Python

Web Development: NodeJS, MongoDB, HTML, CSS, SQL, JavaScript, Bootstrap

Miscellaneous Skills: VHDL, Photoshop, MS Word, MS Excel, MS PowerPoint

Co-Curricular: Public Speaking, Poem Writing, Story Writing, Ukulele

Extracurriculars & Positions of Responsibilities

Overall Coordinator:

Flock, IIT Goa, Jan 2018

Core Member:

Economics Club, IIT Goa [April 2018- Present]

Fresher's Representative for Hostel Affairs:

IIT Goa, 2017-18

Literature Club Secretary:

IIT Goa, 2018-19

Participant:

Online English Creative Writing, Inter IIT Cultural Meet, 2018

Winner:

Cricket, Chakravyuh 2019 (IIT Goa Sports Fest)

Mayekar Tejas Amrut

Indian Institute of Technology, Goa

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[LinkedIn](#)

Objective

To associate myself with an organization, to gain experience working in a position where my skills and knowledge are utilized in the best possible way, which provides me with an opportunity for growth in my professional career and also contribute to the growth of organization

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 7.75/10.00

- Candidate for Bachelors of Technology, Computer Science and Engineering from the School of Mathematics and Computer Science, IIT Goa.
- Relevant Coursework: Artificial Intelligence, Data Structures, Data Analysis, Discrete Structures, Design and Analysis of Algorithms, Computer Networks, Computer Architecture, Logic in Computer Science, Automata Theory and Theory of Computation, Software Systems, Numerical Analysis

St. Rocks College of Commerce and Science, Mumbai

Maharashtra State Board | Score: 83%

- Did Matriculation from Maharashtra HSC in Sciences with Bio-focal in Computer Sciences.

Course Projects & Technical Experience

Artificial Intelligence Lab, IIT Goa: Handwritten Text Recognition [Term Project]

November 2019

- Made a neural network based model to read handwritten text from an image

Artificial Intelligence Lab, IIT Goa: Movie Recommendation System [Academic Project]

August 2019

- Made a movie recommendation system using movie review database and k-NN algorithm

Digital Circuits Lab, IIT Goa: Piezo based Drum kit [Academic Project]

January-April 2019

- Made a portable drum kit using Arduino and Piezo Sensors

Machine Learning Course

June-July 2019

- Machine Learning (Certificate)

Extracurriculars & Positions of Responsibilities

Futsal Coordinator:

Flock, IIT Goa, Jan 2018

Participant:

IIT Goa Football Team 52nd, 53rd and 54th InterIIT Sports Meet

Winner:

Cricket and Basketball, Chakravayuh 2019 (IIT Goa Sports Fest)

Skills

Programming Languages: C, C++, Python, R

Web Development: HTML, CSS, MySQL

Miscellaneous Skills: VHDL, MS Word, MS Excel, MS PowerPoint, LaTeX,

Hobbies: Football, Music(Piano)

VISHRUT MAHESHWARI

Indian Institute of Technology, Goa

Third Year **Undergraduate, Computer Science and Engineering**

Add: G1-13, Jagat Enclave, Jagat Vihar, Jagatpura, Jaipur, RJ-302017

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Phone : +91 8949420797

LinkedIn: <https://www.linkedin.com/in/vishrut-maheshwari-17a725156/>

Objective

I am a passionate learner and a team worker willing to work for a process driven organisation with its vision to steer it to market leadership position with the help of the skills that I've learned. I am looking for an internship in an organisation which values my skill set and adds to my professional experience.

Education

Indian Institute of Technology Goa

Batch of 2017-21 | CPI: 9.22/10.00

Relevant Coursework: Data Structures and Algorithms, Introduction to Electrical Systems and Electronics, Discrete Structures and Discrete Mathematics, Data Analytics, Digital Logic Design, Numerical Analysis, Computer Networks, Automata Theory, Design and Analysis of Algorithms, Computer Architecture, Artificial Intelligence, Model Checking and Software Verification, Logic in Computer Science.

Maheshwari Public School, Jaipur

Central Board of Secondary Education, 2017 | Percentage: 95%

Course Projects & Technical Experience

Bipolar Sentiment Analysis of Movie Reviews [Academic Project]

-Nov 2019

- Designed a Machine Learning model using Python with sklearn library.

Movie Recommender System [Academic Project]

-August 2019

- Designed a movie recommender system on python implementing k-NN algorithm.

Game Score Display Board [Academic Project]

-April 2019

- Designed a prototype score display board for sports using Arduino UNO and seven segment displays.

Event Registration System [Academic Project]

-Nov 2018

- Designed an event registration form using HTML, CSS, JavaScript, PHP.

Extracurriculars & Positions of Responsibilities

Secretary, IIT Goa ACM Student Chapter

Also acted as the head for a month, 2018-2019

Teaching Assistant for CS 101:

Computer Programming, Autumn Semester 2018-19, IIT Goa

Maintenance Secretary, Hostel Affairs

Academic Year 2018-19

Student Mentor

Academic Year 2018-19

Skills

Programming Skills: C++, python, MATLAB, HTML5, SQL(MySQL).

Miscellaneous Skills: MS Word, MS Excel, VHDL, CSS, LaTeX, Machine Learning course by Stanford University ([certificate](#)).

Hobbies and Interests

- Music Interests: Proficient Guitar Player. Participated in various Inter and Intra college level competitions.
- Sports Interests: Basketball and Badminton Player. Participated in Inter IIT Sports meet 2019 held at IIT Kharagpur, Dec 2019.
- Spoken Languages: English (professional proficiency), Hindi (native proficiency).