

SHIKHAR JAISWAL

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📍 India

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Education

Presidency University Bengaluru

B.Tech. Computer Science and Engineering

Bengaluru, Karnataka

August 2018 – Present

- **SGPA: 8.40 / 10.0** **CGPA: 8.15 / 10.0**
- **Relevant Coursework:** Data Structures & Algorithms, Computer Architecture, Theory of Computation, Microprocessor and Microcontrollers, Database Management System, Object Oriented Programming, Graph Theory, Discrete Mathematics, Calculus, Graphic Programming, Software Engineering and Project Management, Principles of Artificial Intelligence, Computer Networks, Analysis of Algorithm, Operating System, Engineering Economics, Programming in Python, Data Mining, Cryptography and Network Security, Object Oriented Analysis and Design, Network Programming, Human Computer Interaction, Internet of Things, Digital Entrepreneurship and Machine Learning.

Work Experience

Vyorius Drones Private Limited

Online

Algorithm Development Intern | Algorithm Developer

August 2020 – October 2020

- Worked on geospatial analysis for a Drone-based delivery system and developed an algorithm to convert vector O.S.M. (Open Street Map) data to raster data based on water, forests, and sensitive buildings and to find a suitable shortest path for drones in a particular area.
- Integrated Algorithms on Back-End and Front-End Testing of a Web App.
- Worked on Drone and Delivery schedule datasets and developed an Algorithm to Optimize Delivery schedules based on routes, capacity of the drone, size and weight of the package, time of delivery, and some other criteria.

QT/QML Software Development Intern | Application Developer

October 2020 – April 2021

- Working as a Full stack Ground Station Developer as QT/QML Software Developer.
- Fixed bugs related to Web-Cam Streaming and other Video Streaming Issues. Worked on RTSP, UDP, TCP Link-Sink for Video Streaming using Gstreamer.
- Worked on development of Multi-Video Streaming connecting different drones at various locations.

Deep Learning Engineer Intern | Deep Learning Engineer

June 2021 – Present

- Designing Deep learning models for enabling AI on the Video Streams for various Drone operations.

Additional Work Experience

Google Developers Student Club – Presidency University

Bengaluru, Karnataka

AI/ML Mentor | Tech

October 2020 – Present

- Currently working towards, forming the GDSC, and conduct tech-based events.

Projects

- Built a Chat Bot using Python as College Project for course Programming in Python.
- Built a [Portfolio website](#) using html, CSS and JavaScript.
- Built a [Path-Search Algorithm Visualizer](#) using html, CSS and JavaScript.

Skills & Interests

- Languages / Technologies: Proficient in Python, Java, C, Familiar with SQL, C++, CSS, JavaScript. Experienced with AWS, Android Studio, QT Creator, Django, React, Linux, Windows and Mac.
- Additional: Statistical Analysis
- Competitive Programming: [HackerRank - Problem Solving](#) (6★) and [Codechef](#) (4★)- Rating (1938)