

# Aditya Sahu

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## Education

### DY Patil University

Bachelors in Computer Engineering (CGPA - **9.06**) TILL SEM 6

Navi Mumbai, India

2020-current

**Relevant Coursework** - Honours in Data Science, Cloud Computing as Elective, CyberSecurity

## Projects

### Peer-to-Peer Taxi Booking Application | Flutter, Dart, OpenStreetMap API

- A peer-to-peer application for booking taxis without centralised servers.
- Developed as an incentive to help taxis reduce or eliminate pay cuts charged by popular companies.
- Used IPFS protocol for storing orders in the blockchain.
- Integrated the front end with flutter and dart framework.

### Pixel Art | HTML/CSS, NodeJS, Javascript, Canvas API, Redis, Socket.io

- Developed a full-fledged scalable application with backend for drawing pixels on a 1000x1000 canvas.
- Each client receives real-time updates to the canvas through web sockets.
- Data is stored in memory using Redis for frequent access.
- MongoDB is used to achieve persistence in the database.

### Corporate Social Responsibility Event Management | ReactJS, SprintBoot - Java, MySQL

- Developed an application for managing CSR events. All events are displayed actively on the Event List.
- Clients can either access the website as admins or attendees.
- Used ReactJS as the frontend server and integrated HTTP Restful API in Spring Boot Java.

### CNN based Blood Cancer Prediction | Python, Tensorflow, Keras, Google Code Collab

- Developed and implemented a CNN-based blood cancer prediction model as part of a research project.
- Utilised a dataset of patient blood samples, including various clinical features in the C-NMC dataset.
- Preprocessed the dataset, performing feature engineering to enhance the model's predictive capabilities.
- Designed and trained a convolutional neural network (CNN) architecture using TensorFlow and Keras.

## Technical Skills

**Languages:** C/C++, JAVA, JavaScript, Dart, Git.  
**Frameworks & Libraries:** React.js, Flutter, NodeJS, ExpressJS, SpringBoot  
**Other Skills:** Debugging, Project Documentation, Linux Shells, Docker.

## Certificates

Harvard Business School Online   Entrepreneurship Essentials	2023
Harvard Business School Online   Business Analytics	2022
Harvard Business School Online   Sustainable Business Strategies	2021
Amazon Web Services (AWS) Educate   Introduction to Cloud 101	2022

## Achievements & Extracurriculars

- Participated in a Hackathon conducted by TIAA and developed a Corporate Social Responsibility application.
- Secured **10** Grade points in Data Structures, Database Management Systems in Semester – III
- Secured **10** Grade points in Computer Networks, Software Engineering
- Attended workshops on blockchain CSI and CSI Publicity Team
- Participated in Flipkart Grid 5.0 Hackathon, 2023