

PRUTHVIRAJ GHATUL

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EDUCATION

K. J. Somaiya Institute of Technology, Affiliated to University of Mumbai

Bachelor of Technology in Computer Engineering

CGPA - 8.2

Courses: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems, Computer Networks.

11/2022 - 07/2026

WORK EXPERIENCE

Web Developer Intern

CodeAlpha [09/25 - 10/25]

- Developed and optimized a **secure social media platform** with user authentication, profile management, and content sharing features.
- Built a **real-time video conferencing application** using **WebRTC** and **Socket.io**, supporting video calls, audio calls, and live chat functionality.
- Designed **responsive user interfaces** using **React.js, HTML, CSS, and JavaScript**, and integrated them with backend APIs and databases using **Node.js, Express, MongoDB/MySQL**.

PROJECTS

Wanderlust - Airbnb-Like Website

[[Link](#)]

- Developed a full-stack web application for property listings with secure user authentication and review functionality using **Node.js, Express.js, and MongoDB**.
- Implemented authentication and authorization using **Passport.js**, managed sessions efficiently with **Connect-Mongo**, and built a responsive, mobile-friendly UI using **Bootstrap**.

Stock Buy-Sell Trading System

- Created a full stack stock trading application in **Node.js, Express.js** that allows the consumer to sell and purchase equities in real time with easy portfolio state management.
- Linked **REST APIs** with **MongoDB** to store the transactions, update the holdings and authenticate the balance/quantity every time a trade takes place.
- Installed a reactive react user interface to trade, see positions and live stock price data, with no user experience issues.

Flood Prediction Using Machine Learning

- Developed a machine learning model to predict flood occurrences using historical rainfall, river water level, temperature, and weather data.
- Implemented and evaluated ML algorithms such as **Logistic Regression, Random Forest, Decision Tree, and SVM** to classify flood risk levels.

Assessed model performance using metrics like **accuracy, precision, recall, F1-score, and confusion matrix** to identify the best-performing model.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, JavaScript

Web Development: HTML5, CSS3, Bootstrap, Tailwind, React.js, Redux, Node.js, Express.js, Django, Flask

Databases & APIs: MySQL, MongoDB, PostgreSQL, RESTful APIs, Firebase, Cloudinary

Tools & Platforms: Git, GitHub, VS Code, Microsoft Excel, PowerPoint, AWS Cloud

DevOps & Containerization: Docker, Kubernetes, CI/CD Pipelines (GitHub Actions / Jenkins)

POSITION OF RESPONSIBILITY

IETE Committee, KJSIT

03/2023 - 03/2025

Technical Team Member

- Optimized the **IETE KJSIT website**, improving performance and usability by approximately **25%**.
- Played a key role in organizing the **SAAM Alumni Meet 2025** at **Somaiya Vidyavihar**, handling event management, logistics, and cross-team coordination..

ACHIEVEMENTS / HOBBIES

- Consistently achieved academic excellence CGPA - 8.2
- Solved **250+ Data Structures and Algorithms** problems on [LeetCode](#), demonstrating strong problem-solving, programming, and debugging skills.
- Passionate about **cricket and fitness**, emphasizing teamwork, strategic thinking, discipline, and a healthy lifestyle.