

# JEET DUSHYANT PATEL

Mumbai, India

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## Education

### Kj Somaiya College of Engineering

Bachelor of Engineering in Artificial Intelligence and Data Science [CGPA 9.25]

Mumbai, India

Aug. 2023 - May 2027

### R.R International College

Junior College [Percentage-84%]

Mumbai, India

Aug 2021 - Feb 2023

## Experience

### In-House College Internship

Full-Stack Web Development Intern

Mumbai

July 2024 - Oct 2024

- Developed two full-stack web applications—Open Elective Selection Portal and Honors/Minors Selection Portal—enabling seamless interaction between students, faculty, and administrators. Built the frontend using React.js and designed the backend with Node.js and MongoDB to ensure efficient data flow and management.
- Designed and implemented RESTful APIs using Node.js and MongoDB, optimizing database queries for improved performance. Developed role-based access control for students, faculty, and admin users, ensuring secure and structured access to data and functionalities.
- Created a responsive and interactive frontend using React.js, incorporating component-based architecture and state management. Ensured cross-device compatibility and improved the user experience with dynamic features and real-time updates.
- Implemented authentication and security measures, including JWT-based authentication and form validation. Optimized API response times and database transactions, ensuring a smooth and secure user experience.

## Projects

### Open-Elective-Website | Html, Css, MERN Stack

July 2024

- Developed a MERN stack (MongoDB, Express.js, React.js, Node.js) web application for students to select elective courses. Designed a responsive and interactive frontend using HTML, CSS, and React.js to enhance user experience.
- Integrated Firebase Authentication to manage secure logins and restrict access based on user roles. Ensured that Admins can modify terms, Faculty can add subjects and approve/reject applications, and Students can apply for electives.
- Created faculty functionalities to add dates, elective subjects, and review student applications for approval or rejection. Designed a student dashboard allowing users to fill out elective course forms and track application status in real time.
- Developed a Node.js Express.js backend with MongoDB for efficient data storage and management. Implemented secure APIs, validation, and error handling to ensure seamless performance and data integrity.

### Medicine Consumption Tracking System | , C++, Arduino Mega

December 2023

- Built a hardware-software integrated system using Arduino and C++ to ensure timely medication intake. Used a real-time clock module to trigger alarms, lighting up the correct medicine box.
- Integrated LED indicators, buzzers, and sensors to notify users and ensure the correct box is opened. The buzzer continues until the user opens the designated box, preventing missed doses.
- Used magnets and sensors to detect box openings, ensuring accurate medication tracking. Optimized C++ code and tested hardware interactions for seamless real-time performance.

### Amazon Clone | Html, Css, Js

October 2023

- Built an e-commerce website using HTML, CSS, and JavaScript, replicating Amazon's shopping experience. Designed a responsive and interactive UI with product listings, a cart system, and checkout functionality.
- Used JavaScript DOM manipulation to allow users to add/remove items dynamically. Stored cart data in local storage, ensuring persistence even after page refresh.
- Styled the website with CSS animations, hover effects, and interactive buttons for an engaging user experience. Optimized layout for responsiveness, ensuring smooth navigation across devices.

## Technical Skills

**Languages:** Python, C, C++, JavaScript, HTML, CSS, Django, React

**Tools & Frameworks:** VS Code, Tableau, MongoDB, Jupyter Notebook, MS Excel, Scikit, NLTK, Pandas, NumPy, PostgreSQL, MySQL, TensorFlow, React, MongoDB, AutoML