Vaibhav Vaidya

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Bhandara, Maharashtra

Objective

Aspiring Full Stack Developer with hands-on experience in web and mobile application development. Seeking an entry-level software development role to apply problem-solving skills, contribute to real-world projects, and grow as a professional developer.

Education

B.Tech in Computer Engineering
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur   *Sep 2023 – Jun 2026*
Diploma in Engineering
Government Polytechnic, Sadar Nagpur (Autonomous Institute)   *Jun 2020 – Jun 2023*
HSC (12th)
Nanaji Joshi Junior College, Shahapur   *Jun 2020*
SSC (10th)
Nanaji Joshi Junior College, Shahapur   *Jun 2018*

Skills

– **Programming Languages:** C, C++, Java, Python

– **Frontend Technologies:** HTML, CSS, JavaScript, Bootstrap, React.js, React Native

– **Backend Technologies:** JSP, Servlets, Hibernate, Spring Boot, Node.js, Express.js

– **Databases:** MySQL, MongoDB

– **Tools & Platforms:** VS Code, NetBeans, Git, GitHub, Postman

Projects

AI-Driven Helmet and Seatbelt Detection System
Developed a full-stack AI-based system using YOLOv8 to detect vehicles, persons, helmets, seatbelts, and license plates from images and videos. Implemented OCR for accurate license plate text extraction. Built a Flask backend with JWT authentication and a React frontend featuring live webcam streaming, file uploads, and a violation dashboard.
Technologies: Python, Flask, React, YOLOv8, OpenCV, MySQL

Student Management System — Full Stack Web Application
Developed a full-stack web application to manage student records using CRUD operations. Implemented functionalities to add, update, delete, and view student details through a responsive user interface.
Technologies: Java, Spring Boot, MySQL, HTML, CSS, JavaScript, Bootstrap

Internship

Intern — Maharashtra Metro Rail Corporation Ltd. (Nagpur Metro)   *Jun 2025 (4 Weeks)*
Gained understanding of advanced telecommunication infrastructure deployed for Nagpur Metro operations. Worked with integrated systems including Fiber Optic Transmission (FOTS), CCTV, ACID, PIDS, PAS, Train Radio, Master Clock, and T-SCADA. Studied three-tier network architecture supporting secure, scalable, and real-time communication for smart urban transport.

React & Node.js Developer Intern — Radical Global   *Dec 2025 – Jun 2026 (6 Months)*
Designed and developed mobile application features using React Native, focusing on creating responsive and user-friendly interfaces. Implemented backend services and APIs using Node.js and Express.js, enabling smooth communication between the mobile application and server. Integrated frontend components with backend APIs, ensuring efficient data handling, optimized performance, and reliable application behavior.

Certificates and Courses

Full Stack Java Certification — Swati Computer Institute, Nagpur   *Mar 2025*