

Vaibhav Vaidya

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Bhandara, Maharashtra, Nagpur

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), Nagpur

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, AngularJS
- **Backend Technologies:** JSP, Servlets, Hibernate, Spring Boot, Node.js, Express.js
- **Databases:** MySQL, MongoDB, SQL
- **Tools & Platforms:** VS Code, NetBeans

Projects

AI-Driven Detection of Helmet and Seatbelt System

Developed a full-stack AI system using YOLOv8 for detecting vehicles, persons, helmets, seatbelts, and license plates from images/videos, with OCR for accurate license plate text extraction. Built a Flask backend with JWT authentication, and a React frontend with live webcam, uploads, and violation dashboard. Technologies: Python, Flask, React, YOLOv8, OpenCV, MySQL

Student Management System – Full Stack Web Application

Developed a full-stack Student Management System to manage student records efficiently using CRUD operations. The application allows users to add, update, delete, and view student details through a user-friendly interface. Technologies Used: Java, Spring Boot, MySQL, HTML, CSS, JavaScript, Bootstrap

Internship

Intern — Maharashtra Metro Rail Corporation Ltd. (Nagpur Metro)

Jun 2025(4 Weeks)

Developed understanding of advanced telecommunication infrastructure deployed for Nagpur Metro operations. Gained hands-on exposure to integrated systems including Fiber Optic Transmission (FOTS), CCTV, ACID, PIDS, PAS, Train Radio, Master Clock, and T-SCADA. Studied three-tier network architecture ensuring secure, scalable, and real-time communication supporting smart urban transport.

Certificates and Courses

Full Stack Java Certification — Swati Computer Institute, Nagpur

March-2025