

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	<i>Sep 2023 – Jun 2026</i>
Diploma in Engineering Government Polytechnic, Sadar Nagpur (Autonomous Institute), Nagpur	<i>Jun 2023</i>
HSC (12th) Nanaji Joshi Junior College, Shahapur	<i>Jun 2020</i>
SSC (10th) Nanaji Joshi Junior College, Shahapur	<i>Jun 2018</i>

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
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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*