

SHAMIT DULE

SOFTWARE DEVELOPER · FULL STACK · EMBEDDED SYSTEMS & IOT

Electronics Engineer with a passion for coding and software architecture. Possesses a strong academic record in core engineering subjects alongside practical, hands-on experience in software development and debugging. Skilled in Data Structures and System Design. Seeking a challenging position where I can utilize my analytical rigor and coding expertise to contribute to high-impact engineering solutions.

TECHNICAL SKILLS

Languages	Java, JavaScript (ES6+), Python, C, SQL
Frontend	React.js, HTML5, CSS3, Bootstrap, Vite
Backend & APIs	Node.js, Express.js, Spring Boot, REST API, Java Servlets, JDBC
Databases	MongoDB Atlas, MySQL, Firebase Realtime DB
Auth & Security	JWT, Session Management, Role-Based Access Control
Embedded / IoT	Arduino IDE, ESP8266, PCB Design, Vivado, Circuit Debugging
Tools	Git, GitHub, Postman, VS Code, Eclipse, MS Office
Concepts	DSA, OOP, MVC Architecture, Agile (basics)

INTERNSHIP EXPERIENCE

Web Development Intern — React.js Sep – Nov 2025
Kavin India Pvt. Ltd., Nagpur

- Developed 5+ responsive React.js UI components using Vite, Bootstrap & CSS; improved page load performance by ~30% via component-level code splitting.
- Implemented client-side JavaScript form validation, eliminating invalid form submissions and strengthening frontend data integrity.
- Maintained clean Git/GitHub version history across 3 repositories; followed professional commit conventions throughout.

Application Development Intern — Java Dec 2025 – Jan 2026
IT Networkz, Nagpur

- Built an MVC-architecture CRUD application using Core Java, Servlets, JDBC & MySQL — supporting complete Create / Read / Update / Delete workflows with optimized SQL queries.
- Integrated HTML/CSS frontend with backend business logic via JDBC-MySQL connector; deployed on Apache Tomcat using Eclipse IDE.
- Reduced data-entry errors by implementing dual-layer (client + server) input validation logic.

PROJECTS

SOFTWARE

Virtual Lab Web Platform In Development
React.js · Node.js · Express · MongoDB Atlas · JWT · REST API

- Built an institution-wide Virtual Lab platform (React.js, Node.js, Express, MongoDB Atlas) serving multiple engineering branches — features real-time experiment simulations, interactive graph rendering, JWT auth, role-based Admin Panel, and branch-wise content management; targeting deployment for the 2026–27 academic session.

E-Commerce Web Application Web
React.js · Firebase · JavaScript · CSS

- Built a responsive shopping platform with real-time Firebase DB, user authentication, and dynamic cart — achieving sub-2s mobile load via lazy loading and optimized component rendering.

EMBEDDED SYSTEMS & IOT

IoT Driver Drowsiness & Safety System IoT
ESP8266 NodeMCU · ThingSpeak · C++ · Sensor Fusion

- Engineered real-time drowsiness detection achieving ~92% accuracy via multi-sensor fusion; automated braking/alert triggers with <300ms response latency using ThingSpeak cloud logging.

Smart Navigation Aid — Visually Impaired IoT
Arduino Uno · Ultrasonic Sensors · Custom PCB

- Designed and fabricated a custom PCB for an obstacle-detection assistive stick, reducing circuit footprint by ~60% vs breadboard; integrated ultrasonic ranging with real-time audio feedback.

EDUCATION

G.H. Rasoni College of Engineering

B.Tech. Electronics

Nagpur · 2023 – 2027

CGPA: 8.57 / 10

Hadas High School, Nagpur

Class XII (Science) — 73.84%

Infant Convent, Nagpur

Class X — 90.40%

CERTIFICATIONS

Deloitte AU Technology Simulation

Forage ★ **Industry-recognised**

Foundation of Prompt Engineering

AWS ★ **Industry-recognised**

Python 3.4.3 Training

EduPyramids, SINE, IIT Bombay · Score: 90%

Java Programming Masterclass

Udemy

React Bootcamp

Let's Upgrade

MySQL Crash Course

Udemy

Design of Power Electronics

NPTEL

KEY STRENGTHS

React.js	Node.js	REST API
JWT Auth	MongoDB	Java MVC
Arduino	ESP8266	PCB Design
IoT	Git/GitHub	DSA

ACTIVITIES

- Department Technical Forum member
- Led design activities — BIO E3 project
- 2 years tutoring experience (up to Class XII)
- NPTEL certified — Power Electronics