

ROHAN BOHUTE

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Objective

Information Technology undergraduate with hands-on experience in web development and IoT-based systems. Skilled in building real-time applications, integrating hardware with software, and designing scalable solutions. Seeking opportunities to apply technical skills while learning in an industry environment.

Education

Shri Ramdeobaba College of Engineering & Management, Nagpur 2024 – Present
Bachelor of Technology in Information Technology
CGPA: 7.1

Government Polytechnic, Nagpur 2021 – 2024
Diploma in Automobile Engineering
CGPA: 9.31

Projects

Pill-Dispenser – Smart Medication Management System (IoT Based)
ESP32, IR Sensors, Arduino, Embedded C, Real-Time Sync Device

- Designed and developed a hardware-based smart pill dispenser.
- Used IR sensors to detect and count pill dispensing events in real time.
- Integrated ESP32 for wireless communication and live data updates.
- Implemented a secondary device for continuous real-time synchronization.
- Focused on reliability, sensor accuracy, and real-time monitoring.

DataVisualizerPro – Data Visualization Web Application
Python, JavaScript, Node.js, EJS, HTML, CSS

- Processed and structured datasets using Python for analysis and visualization.
- Converted processed data into interactive charts and dashboards.
- Integrated backend processing logic with frontend rendering.
- Maintained modular project structure using Git.

Live Dashboard – Real-Time Monitoring Web Application
React, TypeScript, Socket.IO, PostgreSQL

- Built a real-time dashboard using React and TypeScript.
- Implemented WebSocket-based communication using Socket.IO.
- Designed and integrated PostgreSQL for structured data storage.
- Optimized frontend performance and scalable architecture.

Technical Skills

Programming Languages: Java, C, Python

Web Technologies: HTML, CSS, JavaScript, TypeScript

Frameworks & Libraries: React, Vite, Tailwind CSS, Socket.IO

Databases: PostgreSQL, SQL

Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA

Hardware & IoT: Arduino, ESP32, IR Sensors