

Dev Lahrani

Computer Engineering Student
Pune, Maharashtra, India •

devlahrani10@gmail.com • +91-9112825292 • GitHub
LinkedIn • Portfolio



Summary

- Second-year Computer Engineering student at Vishwakarma Institute of Technology with strong interest in software development, security engineering, and systems programming. Experienced in C++, Python, TypeScript, and building real-world systems involving cryptography, networking, IoT, and distributed collaboration tools.

EDUCATION

- **B.Tech Computer Engineering** (2024-2028) (2024-2028)
Vishwakarma Institute of Technology, Pune
CGPA: 8.61/10

SKILLS

- **Languages**
C++, C, Bash, SQL, TypeScript, Python
- **Core Concepts**
Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Management Systems, Network Security
- **Tools and Technologies**
Git, Linux, OpenCV, Raspberry Pi, ESP32, Node.js, React, Flask, MQTT, Wireshark, Burp Suite

PROJECTS

- **Collaborative Editing using Threshold Cryptography** GitHub
 - Built a secure real-time collaborative editor using threshold cryptography ensuring document updates could only be authorized when a quorum of participants cooperated.
 - Implemented backend and client components integrating cryptographic workflows with collaboration features.
 - Designed key management and recovery flows emphasizing reliability and security.
- **Driver Drowsiness Detection System** GitHub
 - Built an ESP32-CAM based real-time driver monitoring system using EAR/MAR eye and mouth landmark detection to identify drowsiness and trigger alerts.
 - Integrated GPS tracking and MQTT messaging pipeline to relay alerts to a live Flask dashboard.
 - Stack: Python, C++, Flask, MQTT, ESP32-CAM, OpenCV.

- **Live Weather & Natural Disaster Tracker** GitHub
 - Developed a React/TypeScript app for real-time disaster, weather, and AQI monitoring with live map filters, trend analytics, and a 3D globe visualization.
 - Stack: React, TypeScript, Vite, Tailwind CSS, Three.js.

ACHIEVEMENTS

- **1st Runner Up — HACKtoVATE, CodeFlix 2026** Mar 2026

Organised by Computer Society of India, VIT Pune. Built SeeTheScience, an AI-assisted science learning platform that converts plain-English prompts into interactive physics and chemistry simulations.

Significant Roles

- **Treasurer**, Computer Student Association, VIT Pune Jun 2025 – Jun 2026
- **Content Lead**, Speakers Club, VIT Pune Jun 2025 – Mar 2026
- **Organizer**, CodeVerse 2026, Computer Student Association, VIT Pune Mar 2026

EXPERIENCE

- **Currently seeking internship opportunities to apply software engineering and security skills**

Global Certifications

- **Currently pursuing certifications in Data Structures, Algorithms, and Software Development**

References

- **Available upon request**

Declaration

- **I hereby declare that the information provided above is true to the best of my knowledge.**