

ADARSH PANDEY

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SUMMARY

Bachelor's student in Computer Engineering with hands-on experience in software development, distributed-style applications, and object-oriented programming. Experienced in building backend services, integrating user-facing features, and improving system efficiency through analysis and iterative development in Agile environments.

SKILLS

Programming	C, C++, Python, JavaScript	Libraries	PyTorch, OpenCV, Node.js
Databases	Firebase, PostgreSQL, MongoDB	OS	Windows, Linux
Tools	Git, ROS, Gazebo	Soft Skill	Documentation, Teamwork, Leadership

EXPERIENCE

Autonomous Systems Lead — VCET Solechthon March 2023 – Present
Mumbai, India [Website](#)

Designed and maintained object-oriented software modules across multiple subsystems, which improved overall system integration stability by approximately 15%.

Analyzed performance bottlenecks during testing and optimized inter-module communication, reducing execution delays by nearly 20%.

Web Developer Intern — YPP Technology December 2023 – January 2024
Mumbai, India

Worked on backend-triggered Gmail notification features to improve user response consistency and reliability.

Contributed to website updates, including development of the About page and UI improvements for better clarity.

PROJECTS

Crop Disease Detection System [Link](#)

Implemented an end-to-end software pipeline for image ingestion, processing, and result generation using modular design. Optimized data handling and execution flow to improve inference efficiency and maintainability. *Research publication under review (2025).*

MJ App — Gold Loan Tracking [Link](#)

Built a user-friendly mobile application with persistent storage, reminders, and export features. Reduced manual record tracking effort by automating notifications and report generation.

Geofence Monitoring System [Link](#)

Developed a real-time monitoring system with role-based access control and backend coordination. Improved operational visibility and reduced manual supervision through automated alerts.

ACHIEVEMENTS

Winner — ESVC 2025; Winner — ESVC 2023.

Runner-up — Projectthon 2.0; Atharva Project Competition (National Level).

Cleared second round — Avishkar (Mumbai University).

Solved 400+ problems on LeetCode.

EDUCATION

B.E (CSEDS), Vidyavardhini College of Engineering, Mumbai 2022 – Present
CGPA: 8.0

Higher Secondary Certificate (HSC), Vartak College, Mumbai 2020 – 2022
Score: 81.17%