

ABHISHEK MALLAV

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ABOUT ME

Electronics and Telecommunication Engineering student (CGPA: 9.28) with hands-on experience in cloud infrastructure (AWS, Azure), GenAI and cybersecurity. Completed three industry internships contributing to real-world projects and scalable solutions. Hackathon winner (DIPEX 2025) and IEEE VIIT Technical Head, leading 10+ technical initiatives that impacted over 500+ students.

EDUCATION

BTech Electronics & Telecommunication, CGPA 9.28 Aug 2023 - Present
Vishwakarma Institute of Information Technology, Pune
HSC: 70% (2020)

PROFESSIONAL EXPERIENCE

Cloud Deployment Intern *Careasa, Pune* June 2025 – Sept 2025

- Deployed SaaS products on AWS with auto-scaling and CloudWatch monitoring
- Implemented security best practices (IAM policies, WAF configuration) and cost optimization reducing expenses by 25%.

Electronics R&D Intern *PLR, Pune* Jan 2025 – July 2025

- Developed CANOpen protocol implementation in Python on Raspberry Pi for COBOT communication systems.

Software Development Intern *SmartLeaven Technologies, Pune* June 2024 – July 2024

- Configured Linux environments on Android and deployed lightweight LLMs achieving < 500 ms inference latency.

TECHNICAL PROJECTS

SamvaadSetu – AI Communication Coach

- Real-time analyzer with 85% posture accuracy and feedback using Flask, Mediapipe, Gemini API, NLTK.

Prompt Confirm Chrome Extension

- Published extension with 50+ active users preventing accidental submissions using JavaScript and Chrome APIs.

Linux Automation Script

- Bash script reducing system setup time from 2 hours to 15 minutes with automated package installation.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, Bash

Cloud: AWS (ECS, ECR, EC2, S3, Lambda, CloudWatch), Azure, GCP, Docker

Tools: Git/GitHub, Postman, Linux, Raspberry Pi

Professional: Team Leadership, Technical Mentorship, Agile Workflow, Cross-functional Collaboration

KEY ACHIEVEMENTS

- 1st Prize** – Computational Intelligence, DIPEX 2025 (500+ teams)
- Published Paper** – ICPCES 2024 (Scopus)
- ISIH 2024 Qualifier** – Top 10% from 500+ applicants
- IEEE VIIT Technical Head** – Leading student committee (2024-25)

CERTIFICATIONS & TRAINING

- AWS Cloud Practitioner (AWS SkillBuilder)
- Postman API Fundamentals (Postman Academy)
- Cisco Cybersecurity (Cisco Netacad)
- Google AI Essentials (Coursera)
- GitHub Foundations (Microsoft Learn)
- Bash Scripting (Udemy)

LEADERSHIP & OUTREACH

- Organized 10+ technical workshops on IoT/Robotics reaching 250+ students; co-organized ICBDS Conference.
- Active NSS volunteer contributing to community development and social impact initiatives.
- Co-organized ICBDS International Conference, managing event logistics and technical coordination.