

Divyam Agrawal

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EDUCATION

Vellore Institute of Technology, Vellore

B.Tech in Information Technology

CGPA: 8.98

Expected Jul 2028

TECHNICAL SKILLS

Languages: Python, Java, Go (Golang), C++, TypeScript, JavaScript, Rust, C

Core Concepts: DSA, OOP, Distributed Systems, Big Data, REST APIs, Agentic AI

Databases & Cloud: PostgreSQL, Redis, MongoDB, Docker, AWS, Azure, GCP, Vercel, Kubernetes, GitHub Actions

AI, Security & Tools: PyTorch, LangGraph, MLflow, Machine Learning, Cryptography, Linux, Git, GitHub

EXPERIENCE

Machine Learning Engineer Intern

May 2026 – Present

Jio

Delhi

- Architecting **CAIP**, an autonomous telecom CDR intelligence platform ingesting multi-vendor records from **SFTP, NFS, S3, APIs, and DB exports** with schema fingerprinting, E.164 canonicalization, and entity-centric analytics.
- Engineered a **LangGraph-orchestrated 8-node DAG** with Claude Fable reasoning, **9-model** ensemble anomaly detection, **MLflow** tracking, and root-cause reports across Global, Subscriber, PLMN, and Supercore scopes.

Senior Core Committee (Tech Domain)

May 2025 – Present

ACM Student Chapter, VIT

Vellore

- Architected "Conclave," an Azure-hosted, **Dockerized** meeting platform using Next.js, mediasoup SFU, socket handlers, and Yjs synchronization to support VNC-based shared-browser workshops for **120+ concurrent users**.
- Led infrastructure for large-scale hackathons (**1,000+ participants**); delivered generative-AI workshops and mentored students on cybersecurity methodologies.

PROJECTS

OCS Recruitment Platform

Sep 2025

React, Next.js 16, TypeScript, CockroachDB, Redis

- Collaborated with 11 members to build an applications portal for **50+ interviewers** and **1,000+ applicants**; optimized schemas and Redis caching to keep median query latency <100ms.
- Built reviewer multitasking flows and an admin dashboard with **Next.js App Router, Prisma, Server Actions**, and **PostHog** telemetry.

Atlas - Autonomous AI Agent for your OS

Dec 2025

Python, Rust, Tauri, Kotlin, PyTorch, YOLOv8, PyAutoGUI, LLaVA, Llama, Stripe, Firebase

- Placed **2nd at DevSoc Hack**: Architected a privacy-first local AI agent that converts prompts into desktop operations via a Mistral/LLaVA "vision - planner - action" pipeline.
- Engineered a **Rust-based** runtime for isolated task execution and cross-process orchestration, coupling **PyAutoGUI** automation with **Tauri** deployment.

HONORS & ACHIEVEMENTS

1st in India (CTFTime) | AI and Infra Lead at z0d1ak, 8th Globally

Mar 2026

1st Place, HackZero CTF | International CTF, placed in the top 0.5%

Mar 2026

2nd Place, Vishwa CTF | International CTF, placed in the top 0.7%

Apr 2026

2nd Place, DevSoc Hackathon | CodeChef-organized; 1,200+ participants

Feb 2026

2nd Place, B3 Hack | Built autonomous LangGraph AI studio; 200+ participants

Feb 2026

3rd Place, SENSE Hack | International hackathon; Awarded for innovation in Local AI Agents

Dec 2025

Best Fresher, Reverse Coding | Logic deconstruction (700+ participants)

Feb 2025