Aadi Jain

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EDUCATION

Vellore Institute of Technology	Sept 2022 - July 2026
B.Tech in Computer Science and Engineering	***CGPA: 8.61***

TECHNICAL SKILLS

Programming Languages: Python, C++, C, SQL, JavaScript
Backend & Database: FastAPI, Flask, REST APIs, MySQL, Redis
Software & Tools: Linux, AWS, Postman, Git

EXPERIENCE

Backend Software Developer Intern | 🔗 — Feb 2025 - May 2025
EncureIT Systems Pvt Ltd — *Remote*

- Built and optimized RESTful backend APIs using FastAPI, supporting high-throughput image processing workflows.
- Implemented Redis caching and modular service design, reducing API response latency by 30%.
- Integrated backend services with ML inference pipelines and added automated tests to improve reliability.

PROJECTS

PollStream | *Node.js, Express.js, Socket.IO, Redis* | ⭘ — Aug 2025 - Nov 2025

- Developed a real-time backend system using WebSockets (Socket.IO) to manage live polls, voting, and instant result broadcasting without page reloads.
- Implemented backend logic for poll creation, vote aggregation, session management, and role-based access for admins and users.
- Designed an event-driven backend architecture to handle concurrent users efficiently and maintain consistent poll state across clients.

KrishiAI | *Flask, React.js, IoT, MySQL* | ⭘ — Jun 2024 - May 2025

- Designed Flask-based backend APIs to ingest, validate, and store real-time IoT sensor data.
- Built backend architecture for data processing and API management, integrated with a React frontend.
- Implemented predictive models for soil health classification achieving 95.3% accuracy.

FaceRecogPro | *OpenCV, Tkinter, Haar Cascade, LBPH* | ⭘ — Feb 2024 - May 2024

- Developed a real-time desktop application for student identification and automated attendance, improving classroom efficiency.
- Implemented efficient data storage and retrieval for attendance records, improving accuracy and reducing manual errors.
- Built a reliable end-to-end application that enhanced classroom attendance management through automation.

ACHIEVEMENTS

- **Oracle Cloud Infrastructure Certified DevOps Professional (2025):** 🔗 Validated skills in demonstrating hands-on knowledge of CI/CD pipelines, cloud deployment, monitoring, and infrastructure automation.
- **Aptiv Abilities Network Design for Accessibility x Ideathon, 2025:** 🔗 Contributed as a backend developer in Safe Exit solution for people with disabilities, building reliable backend logic for real-time emergency assistance.
- **EY Techathon 5.0, 2024:** Integrated an innovative **AI model for the medical domain,** with backend tackling critical healthcare challenges.
- Codeforces Rating **1062 & 400+** DSA problems solved across LeetCode, GFG & HackerRank.

EXTRACURRICULAR

- Supervised NTC Club's environmental event, engaging **200+ students** in a themed painting competition.
- Mentored **25+ club members** in advanced videography and editing, producing high-impact videos for AdVITya, engaging **2,000+ attendees** and enhancing the club's production quality.
- Crafted a voice-controlled AI quiz for Google's Actions platform in **Jan 2020,** achieving a **90% user completion rate,** uncovering key insights into voice application engagement, receiving recognition and rewards for the project.