

# Aditya Vaish

U.S. Green Card Holder

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## Education

### • Bachelor of Technology in Information and Communication Technology (ICT)

Dhirubhai Ambani University, Gandhinagar, Gujarat

Expected 2028

## Experience

### • Superr.AI

Product Engineer Intern

Aug 2025 – Oct 2025

- Engineered full stack applications integrating **Next.js** with **Go** inference backends, reducing API latency by **25%**.
- Built and orchestrated **Python data pipelines** on **AWS**, enabling seamless data flow and scalable processing.
- Deployed containerized microservices using **Docker**, improving CI/CD reliability and reducing build failures by **15%**.
- Developed full scale web platforms in **Next.js**, accelerating frontend delivery by **30%** through optimized SSR and CSR component architecture.

### • KwezyHQ

Product Engineer Intern

Aug 2025 – Oct 2025

- Worked in an asynchronous fast-paced startup environment shipping software for both Kwezy and Superr.ai.
- Automated deployments via **CI/CD** using **Kubernetes**, **Docker**, and **Vercel**.
- Integrated **FastAPI** based AI endpoints into internal analytics dashboards, improving data refresh latency by **30%**.

### • Google Developer Group (GDG) On Campus, DAU

Core Team Member

Jul 2025 – Present

- Conducted hands-on workshops on **Git**, **DevOps**, **MERN Stack** for 100+ attendees.
- Mentored peers on open-source collaboration, clean code, and project deployment.
- Led event initiatives like **Dev-o-lution** to foster Open Source learning culture on campus.

## Projects

### • Keradon – AI Powered Metadata Scraper

Next.js, Next-Auth, Python, FastAPI, Firebase, Groq LLM, Shadcn UI

GitHub

- Built an AI-driven web scraper with Next.js, Python, and FastAPI that extracts and summarizes articles using the Groq LLM API processed 500+ queries/day and analyzed 5k+ articles.
- Deployed real time dashboards on Vercel using Shadcn UI for 200+ monthly users, enabling visualization of scrape results and summaries.
- Implemented secure routing and optimized API throughput (multi-user sessions) via Next.js and FastAPI reduced average response latency by 15%.
- Engineered Python based scraping API that extracts datasets, metadata, and summarized text from URLs, supporting scalable extension to new domains.

### • AirOps – Agentic A.I Prompt-Based Automation Software

Electron.js, React.js, Python, FastAPI, HuggingFace Transformers, LLM APIs, Pinecone

GitHub

- Developed a desktop-based prompt-driven automation platform enabling users to design and execute Agentic A.I workflows through natural language instructions.
- Implemented agent-based task orchestration where LLM-powered agents dynamically plan, sequence, and execute multi-step automation pipelines.
- Integrated Large Language Model APIs with Pinecone vector databases to enable semantic search, contextual memory, and efficient retrieval of relevant data for AI agents.
- Built the application using Electron.js and React.js for the desktop interface, with Python-based backend services using FastAPI and leveraging HuggingFace Transformers for AI inference.

### Opticom – Multi-Client Chat Server

C++, Socket Programming, Multithreading

GitHub

- Built a concurrent TCP chat server handling 50+ clients using POSIX threads for multithreading.
- Implemented non-blocking sockets and mutex-protected message queues for high-throughput messaging.
- Reduced communication latency by 10%.

## Technical Skills

- Languages:** C/C++, Python, Go, JavaScript, TypeScript
- Frameworks:** Next.js, FastAPI, Flask, Django
- A.I / M.L:** Hugging Face Transformers, LLM API, Google-Colab, LangGraph, LangChain, LlamaIndex
- DevOps/Tools:** AWS, Docker, n8n, Git, GitHub Actions, Vercel, Kubernetes, Linux
- Databases:** SQL, MongoDB, Firebase, Supabase
- Coursework:** Data Structures & Algorithms, Object Oriented Programming, Computer Networks, DBMS, System Design

## Achievements

- Presented a Poster of our **Dyslexia Detector App** at IIM Ahmedabad Conference on Tech for Disabled Persons, **CTDP 2025** recognized among top AI accessibility projects.
- Invited speaker at India Management Research Conference, **IMRC 2025** at IIM Ahmedabad to present research abstract on **A.I modeling in Perishable Agricultural Commodities**.