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.

- **Crypto-Pi – Cryptocurrency Price Alert System**
  Python, CoinGecko API, Twilio, SMTP, Rich CLI   **GitHub**
  – Automated real-time cryptocurrency price alerts via Twilio SMS and SMTP email with configurable thresholds.
  – Visualized live crypto data from CoinGecko API using an interactive CLI dashboard built with the Rich library.

- **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:** Python, Go, JavaScript, TypeScript
- **Frameworks:** React.js, Next.js, Node.js, Express.js, FastAPI, Flask
- **A.I / M.L:** Hugging Face Transformers, LLM API, Google-Colab, LangGraph, LangChain, LlamaIndex
- **DevOps/Tools:** Docker, Git, GitHub Actions, Kubernetes, Postman, 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, 2025 recognized among top AI accessibility projects.
- Invited speaker at India Management Research Conference, at IIM Ahmedabad 2025 to present research on **A.I modeling in Perishable Agricultural Commodities**.

Certifications

- **Full Stack Web Development Bootcamp** – Udemy
- **HackerRank Python Certification** – HackerRank