# Aditya Vaish

U.S. Green Card Holder

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## EDUCATION

- **Bachelor of Technology in Information and Communication Technology (ICT)** — *Minor in Computational Science*
  *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 **GoLang** 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 component architecture.

- **KwezyHQ**
  *Product Engineer Intern* — Aug 2025 – Oct 2025
  - Collaborated remotely across time zones to deliver production-ready features on a distributed system.
  - 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 project-based learning culture on campus.

## PROJECTS

- **Keradon – AI-Powered Web Scraper**
  *Next.js, Python, FastAPI, Firebase, Groq LLM, Shadcn UI* — **GitHub**
  - Built an AI-driven web scraper with Next.js, Python and FastAPI that extracts and summarises articles using the Groq LLM API — processed 500+ queries/day and analysed 5 k+ articles.
  - Deployed real-time dashboards on Vercel using Shadcn UI for 200+ unique users/month — enabling visualisation of scrape results and summaries.
  - Implemented secure routing and optimised API throughput (multi-user sessions) via Next.js and FastAPI — reduced average response latency by 15%.
  - Engineered Python-based scraping API using which extracts key information from given URLs (e.g., datasets, metadata, summarised text), supporting scalable extension to new domains.

- **Crypto-Pi – Cryptocurrency Price Alert System**
  *Python, CoinGecko API, Twilio, SMTP, Rich CLI* — **GitHub**
  - Automated real-time price alerts via **Twilio SMS** and **SMTP email** with custom thresholds.
  - Visualized live crypto data from **CoinGecko API** using interactive CLI dashboards.

- **Opticom – Multi-Client Chat Server**
  *C++, Socket Programming, Multithreading* — **GitHub**
  - Built a concurrent **TCP chat server** handling 50+ clients via **POSIX threads**.
  - 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:** React, Next.js, Node.js, Express.js, FastAPI, Flask
- **DevOps/Tools:** Docker, GitHub Actions, Kubernetes, Vercel, Postman, Linux, Git
- **Databases:** SQL, MongoDB, Firebase, Supabase
- **Coursework:** Data Structures & Algorithms, OOP, Networks, DBMS, System Design

## ACHIEVEMENTS

- Presented **Dyslexia Detector App** at IIM Ahmedabad CTDP 2025 – recognized among top AI accessibility projects.
- Invited speaker at IMRC Conference, IIM Ahmedabad 2025 for research on **AI in Agricultural Commodities**.
- Selected among top student innovators for accessibility-driven ML projects.

## CERTIFICATIONS

- **Full Stack Web Development Bootcamp** – Udemy (Hands-on project-based learning)
- **HackerRank Python Certification** – HackerRank (Industry-recognized assessment)