

Akul Nehra

akulnehra@gmail.com | akulnehra.vercel.app | [LinkedIn](#) | [GitHub](#)

Mobile React Native & Full-Stack Developer · I build things people actually use · App Store shipped · YC intern · IEEE published

Technical Skills

Languages	JavaScript, TypeScript, Python, Swift, SQL (MySQL, PostgreSQL)
Mobile	React Native (cross-platform iOS & Android), Swift/UIKit, Flutter; App Store release pipeline, responsive UI, component architecture
Frontend	React.js, Next.js, Tailwind CSS, Bootstrap, Framer Motion, HTML/CSS, Axios
Backend	Node.js, Supabase, Firebase, FastAPI, REST APIs
AI/ML	Gemini API, Groq, OpenAI API, Prompt Engineering, AI Agents, LangChain, PyTorch, TensorFlow, scikit-learn, pandas, NumPy
Dev Tools	Git/GitHub, Xcode, VS Code, Cursor, Insomnia, Postman, PostHog, Vercel, Chrome DevTools, Fusion 360
Soft Skills	Product Design, User Research, Talking to Users, Systems Thinking, Technical Writing, Cross-functional Collaboration, Public Speaking

Experience

Technical Intern **Jun 2025 – Jul 2025**
Rove Miles (YC W24) · Universal Airline Miles Platform *Remote*

- Rebuilt flight tracking routes and destination-optimization logic for the core search product at a Y Combinator-backed startup, shipping ~15 hrs/week alongside the full engineering team.
- Integrated airline and pricing APIs; redesigned the flight comparison UX with smarter filtering and real-time data handling; improvements validated with **10–20 early users** during rollout.
- Owned value-per-mile ranking and redemption-recommendation features from spec to production; changes shipped through peer code review with the founding team.

Founder & Developer **2025 – Present**
Orion Finance · Personal Finance App *React Native · Gemini API · Supabase · PostHog · iOS App Store · Android (built, pending Play Store)*

- Built and shipped a personal finance app in **React Native**, end-to-end from design to live **App Store listing**; Android build complete, pending Play Store release; reached **200+ users within 2 months** with zero paid acquisition.
- Achieved a **91% 7-day retention rate**, tracked via PostHog, by talking to users weekly and shipping targeted improvements on a tight feedback loop.
- Integrated **Gemini API** for AI-driven financial insights; built auth and real-time data layer on Supabase; used Framer Motion for polished, native-feeling animations.

President **2025 – Present**
Genesis Global School AI Club · 25 Members *New Delhi, India*

- Designed and led curriculum covering ML fundamentals, model limitations, prompt engineering, and responsible AI deployment; grew active membership 40% in one term.
- Organised hands-on workshops and external speaker sessions; mentored members on building with AI tools and evaluating model outputs critically.

Executive Director & Founder **2025 – Present**
Project ARISE · Financial Literacy Nonprofit *arisewomen.cc · 4 Countries*

- Founded a financial-literacy nonprofit targeting rural women; secured a **\$2,500 IB Youth Action Fund grant** and delivered workshops to **300+ women across 4 countries**.
- Wrote the full curriculum, recruited and managed cross-border volunteer teams, and built the program website end-to-end.

Founder & Organizer **2025 – Present**
Frontier Challenge · Global STEM Competition *frontierchallenge.com · 14 Countries*

- Built operations, outreach, and judging infrastructure from scratch; scaled to **200+ participants across 14 countries** within the first cycle.
- Raised **\$500+** in sponsorship in under two weeks; designed tiered judging rubrics for real-world engineering submissions.

Projects

Flowly · AI Adaptive Scheduler **flowlyofficial.vercel.app**
Next.js · TypeScript · Groq · Gemini API · Supabase · Vercel *2025 – Present*

- Built an AI scheduler that decomposes tasks into adaptive, time-boxed subtasks based on user energy and deadlines; scaled to **100+ users** with a **96% 7-day retention rate**, tracked via PostHog.
- Conducted structured user surveys and evaluation sessions to drive the feature roadmap; integrated Groq and Gemini API for task decomposition, Supabase for auth and user data, deployed on Vercel.

IEEE ICITSIF 2026 · Peer-Reviewed ML Research

Accepted Jan 2026

- Co-authored a peer-reviewed paper accepted at **IEEE ICITSIF 2026**; modelled urban traffic incidents, wait times, and CO₂ emissions using real-world datasets.
- Designed the feature engineering pipeline and benchmarked multiple ML models; findings indicated up to **23% reduction in estimated emissions** through signal-timing optimisation.

LLM YouTube Controller

Side Project

Python · LLM APIs · macOS Automation

- Built a macOS tool that automatically opens YouTube when an LLM begins generating a response and closes it on completion; solves a real distraction problem while the model is running.

Education

Genesis Global School

New Delhi, India

International Baccalaureate Diploma Programme (IB DP) · Class of 2028

2026 - 2028

- Completed IB MYP (2026); incoming IB DP with anticipated HL subjects in Mathematics, Computer Science, and Economics.

Harvard HUVTSP · Venture & Technology Entrepreneurship

Jul - Aug 2025

Technology & Entrepreneurship Center at Harvard (TECH) · Harvard SEAS

Remote

- Competitively selected (**under 15% acceptance rate**) into Harvard's innovation academy; one of the only programs placing high school students into live VC-backed startup internships.
- Completed MBA-level case studies covering Go-To-Market strategy, venture capital, product-market fit, operations, and innovation management.
- Attended fireside chats with **Mark Cuban**, **Ted Sarandos** (Netflix CEO), **Chris Barton** (Shazam Founder), **Stanley Tang** (DoorDash Co-Founder), and **Thomas Deng** (Goldman Sachs MD), among others; asked questions directly and received their personal takes on building and scaling companies.

Achievements & Awards

- **ICSC Silver Honour** (Nov 2025) · top 2% of 2,500+ global competitors; timed algorithmic coding and technical paper analysis under exam conditions.
- **CMIMC 2026** (Feb 2026) · top-10 team at Carnegie Mellon Informatics & Mathematics Competition; one of the most selective high-school math and CS competitions in North America.
- **Malaysia WSDC** (Apr 2025) · Champion team and Best Speaker across 50+ international teams and 200+ debaters; ranked top 60 nationally (ISDS) from 1,500+ participants.
- **F1 in Schools · Sixth Gear** (2024-25) · Design Engineer; top 7 nationally, top-10 fastest car; ran CFD aerodynamic analysis and Fusion 360 modelling for competition (teamsixthgear.com).

Interests

Rubik's Cubes (sub-20s solve) | Competitive Debate & Public Speaking | Guitar | Building personal productivity tools