

KEVIN A. SHAH

✉ kevinshah.professional@gmail.com | [in LinkedIn](#) | [GitHub](#) | [Portfolio](#) | ☎ (+91) 70457 69850 | 📍 Bengaluru, India

EXPERIENCE

Software Engineer (SDE-1 → SDE-2) | Capillary Technologies, Bengaluru

Aug '24 - Present

aiRA (AI Platform) | among the first engineers building Capillary's agentic AI platform for retail & consumer brands

- **Journey Canvas Automation** — Automated aiRA's most involved module, the drag-and-drop journey builder, and ran its first enterprise rollout: **150+** personalized journeys in days, productionized so the client self-serves, at a **~40% revenue lift**
- **Audience DSL** — Reworked a brittle natural-language-to-SQL flow into a small, compiler-style DSL fronted by a typed Python layer that guides the model to assemble queries instead of guessing at them; hallucinations went away, and bulk audience creation went from a couple of hours down to minutes
- **Config-Agent Plugin** — Folded two years of config-agent patterns into a Claude Code plugin (skills, agents, hooks); engineers write only the Python functions while the agent rebuilds the pipeline, cutting a config from **3–4 weeks to 1–2**
- **Config Automation Agent (Engage)** — Designed the natural-language config workflow behind the Engage module, turning model-written Python into validated payloads and UI actions; it has since resolved **2,000+ configs across 40+ brands**, over 100+ users and 3,000+ sessions
- **Platform & Security** — Built the distributed, sliding-window rate limiter (Redis + Lua) that keeps concurrent agents inside cost and frequency budgets, ran CVE triage and frontend hardening, cleared recurring Kubernetes OOM incidents, and shaped the multi-LLM provider layer alongside our tech lead
- **Connectors & Orchestration** — Now extending aiRA beyond Capillary into an orchestration layer, wiring third-party data and action tools behind Nango-managed auth (Atlassian, Google Drive) so agents reach across a customer's stack
- **Mentoring & Enablement** — Mentor three interns and two engineers, sit on hiring panels (SDE, intern, FDE), and ran a Claude Code workshop and two talks on agentic systems; earned a Spot Award and demoed to our CEO

EDUCATION

Indian Institute of Technology Gandhinagar

2020 - 2024

B.Tech in Chemical Engineering | Minor in Computer Science & Engineering | Minor in Artificial Intelligence

EARLIER EXPERIENCE

SDE Intern | Capillary Technologies, Bengaluru

Feb '24 - Jul '24

- Built a RAG Slackbot for the product team's roadmap and backlog, wiring together the Google Sheets API, a Redis vector store, a model-agnostic LLM flow and the Slack API — it ended up used by **45+ people**
- Delivered CRD-based SQL & Python reports in Databricks for 5 clients, and cut UK call-centre billing costs by **30%**

Data Science Intern | PUMA Group, Bengaluru

May '23 - Jul '23

- Forecast e-commerce demand across seven marketplaces with LSTM (Bayesian-tuned) and Neural Prophet models, cutting footwear forecast deviation from **50% to under 20%** and lifting the planning team's accuracy by 24%
- Clustered retail stores (K-Means, GMM; t-SNE / UMAP) for assortment planning, and left with a pre-placement offer

RESEARCH & PROJECTS

LLM Code Similarity Analysis | Prof. Shouvick Mondal [\[FSE 2024\]](#)

Jan '24 - June '24

- Probed how robust code-generating LLMs are to prompt mutations (Radamsa), scoring Gemini and GPT outputs with CodeBERTScore and CrystalBLEU; the work was accepted as a poster at **A* ACM FSE 2024**

Prabhu Premi Trust — Full-Stack Platform [\[Live\]](#)

Jan '26 - Present

- Designed and shipped an end-to-end platform for a women-led NGO on Next.js 14, FastAPI and Supabase, with WhatsApp (Gupshup) and email automations and Docker services on Railway — owned the whole stack in production

TECHNICAL SKILLS

Languages: Python | SQL | JavaScript / TypeScript

AI / Agentic: LLM Orchestration | RAG | MCP | Agentic Workflows | DSL Design | Sandboxed Execution

Backend / Infra: FastAPI | asyncio | Pydantic | Redis | MongoDB (Beanie) | Kubernetes | Docker | S3

Frameworks: Next.js | React | Supabase | Railway | Databricks | Nango | pytest

RECOGNITION

- **1st Place** — AWS × Capillary AI Hackathon, among 30+ teams 2025
- **1st Place** — IIT Gandhinagar Annual ML Hackathon (HackRush) 2023
- **Dean's List** — recognized for academic excellence across four semesters 2022–23
- **Top-3 Finalist** — IDE 4.0 National Bootcamp, Bengaluru 2022