

EDUCATION

- **SGT University Gurugram, India** Aug. 2023 – June. 2027
Bachelor of Technology in Computer Science and Engineering; GPA: 8.37/10.00

EXPERIENCE

- **Skillo (skillo.co.in)** Remote
Full Stack Developer Sep 2025 – June 2026
 - **Full-Stack SaaS Platform (Skillo)** — *Next.js, TypeScript, Python, PostgreSQL, Redis, Docker*
Architected and deployed a multi-tenant B2B/B2C job-matching platform, leading end-to-end development of microservices, AI pipelines, and event-driven infrastructure.
 - **AI & Machine Learning Engine:** Developed a hybrid NLP recommendation pipeline utilizing Gemini 2.5 Flash Lite for structured resume parsing and ATS scoring, alongside a highly resilient LightGBM Learning-to-Rank model (0.92 ROC-AUC) and SentenceTransformers vector embedding fallback microservice.
 - **Distributed Backend Processing:** Engineered a fault-tolerant asynchronous architecture using Node.js, BullMQ, and Upstash Redis to process batch AI matching, implementing Dead Letter Queues (DLQ) and Redis distributed locking (SET NX) to prevent race conditions under concurrent loads.
 - **Real-Time WebSocket Infrastructure:** Built a standalone event-driven WebSocket server synchronized via Redis Pub/Sub to stream low-latency application status updates, scoring progress, and chat notifications, significantly reducing API polling overhead.
 - **Advanced Authentication & Security:** Designed a hybrid authentication system integrating Supabase (OTP) and NextAuth.js (OAuth) with custom Next.js Edge Middleware; hardened API security using JWT session resolution, token blacklists, Turnstile CAPTCHA, and strict CSP headers.
 - **Payments & Subscription:** Integrated Razorpay for global multi-currency checkout, engineering a subscription state machine to automate recurring billing, dynamic invoicing, and RBAC-gated feature access (Free/Career Accelerator/Career Pro tiers).
 - **Database & Search Relevance:** Modeled relational PostgreSQL schemas via Prisma ORM, optimizing complex multi-table queries, indexing, and a custom fuzzy skill taxonomy engine (alias resolution & compound splitting) for high-precision search relevance.
 - **DevOps & CI/CD Automation:** Containerized the microservices stack using Docker Compose and Nginx (SSL) on a Linux VPS; deployed an isolated Alpine Cron sidecar to automate daily digests, job expirations, and background health checks via secure HTTP triggers.

PROJECTS

- **KindMinds AI:** Stateful conversational AI web application with persistent memory and controlled response generation built using Next.js, Supabase and Python backend, featuring modular dialogue architecture and realtime session synchronization.
- **ScanSkill (Open Source):** Open-source zero-config CLI tool that analyzes repositories and generates architecture rules (SKILL.md) enabling AI coding agents to follow framework conventions (Next.js/React/Flutter) and reduce hallucinated code.

SKILLS

- **Languages:** TypeScript, JavaScript, Python, C++, SQL
- **Frameworks/Libraries:** Next.js, React, Node.js, FastAPI, Prisma ORM, Tailwind CSS, shadcn/ui
- **Backend & Databases:** PostgreSQL, Redis, BullMQ (Message Queues), WebSockets, SSE, REST APIs
- **DevOps & Cloud:** Docker, Nginx, Linux VPS, Cron, CI/CD, Cloudflare
- **AI/ML:** Gemini API (LLMs), LightGBM, SentenceTransformers (Embeddings), GLiNER (NLP/NER), scikit-learn, NumPy, RAG
- **Tools:** Git, GitHub, Postman, Playwright