GAURAV SUNTHWAL

FULL STACK & AI ENGINEER | LLM APPS · NEXT.JS · FASTAPI

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PROFESSIONAL SUMMARY

Full Stack & AI Engineer with **1+ year of production experience** building web apps, REST APIs, and LLM-powered products end to end. Built and launched **Rolesetu**, an AI job-matching platform live on the Chrome Web Store, with structured LLM outputs, evidence-grounded verdicts, and on-device embeddings. Strong in TypeScript, React, Next.js, Python, FastAPI, and PostgreSQL. Shipped production products used by **2,000+** and **500+ users**.

TECHNICAL SKILLS

AI & LLMs: Gemini API, structured outputs (Pydantic), prompt engineering, grounding, prompt-injection defense, RAG (MiniLM), NLP, LangChain, Machine learning, LangSmith
Languages: TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3, Java
Frontend: React.js, Next.js, Redux Toolkit, Zustand, TanStack Query, Tailwind CSS, Chrome Extensions (MV3), Accessibility
Backend: FastAPI, Pydantic, Node.js, Express.js, REST APIs, WebSockets, zod, Spring, Stripe, Razorpay, RevenueCat
Databases: PostgreSQL, PostGIS, Neon, SQLAlchemy, Alembic, Drizzle ORM, DynamoDB, SQLite, Firebase
Auth & Security: Firebase Auth, JWT, OAuth (Google, Apple), httpOnly sessions, CSRF protection, rate limiting
Cloud, DevOps & Mobile: AWS (S3), Cloudflare R2, Railway, Vercel, CI/CD, Git, Sentry, React Native, Expo, iOS, Android, Docker
Testing & Practices: pytest, Vitest, Jest, React Testing Library, ESLint, Unit testing, Code review, Agile/Scrum, Prototyping

PROFESSIONAL EXPERIENCE

Full Stack / Mobile App Developer Intern — Terminal 2 — 09/2025 – Present

ScrollShop (short-video commerce platform) | Pune, India | Google Play · App Store

- Build and maintain a production short-video commerce app used by **2,000+ users**, integrated with backend REST APIs.
- Integrated Stripe and Razorpay payments and supported checkout and payment-related application flows.
- Improved feed performance with optimized list rendering and a multi-player video pool; added offline caching.
- Integrated push notifications, WhatsApp deep linking, and the Facebook SDK; handled build, signing, and store deployments.

Full Stack App Developer Intern — Humanity Founders — 07/2026 – 09/2026

FaceSearch (reverse image search app) | Remote | Google Play · App Store

- Owned the product end to end, from architecture to production release; reached **500+ users in 2 months**.
- Integrated Firebase Auth, REST APIs, email and push notifications, and RevenueCat subscription billing.
- Set up CI/CD build and release pipelines and used Sentry for production monitoring, debugging, and release troubleshooting.

Full Stack Developer Intern — Arealis — 06/2025 – 08/2025

Pune, India

- Built production web applications with Next.js, TypeScript, and Tailwind CSS on a FastAPI and PostgreSQL (Neon) backend.
- Built automation for handling failed bank transactions, contributing to both frontend and backend implementation.
- Implemented email automation with Resend and supported deployment, debugging, and performance optimization.

SELECTED PROJECTS

Rolesetu — AI Job Matching Platform & Chrome Extension — Live · Chrome Store · GitHub

Python | FastAPI | Gemini API | Pydantic | fastembed | PostgreSQL | Next.js | TypeScript | Chrome Extension (MV3)

- Launched an AI platform that scores any job against a user's resume skill by skill with cited evidence, beside the Apply button on LinkedIn, Naukri, Indeed, and career sites.
- Designed a two-step Gemini pipeline (extract requirements, judge each skill) with Pydantic-validated structured outputs; verdicts cite evidence by ID and the score is computed in code, so the model cannot invent either.
- Built a resilient LLM client: model fallback chain, API-key rotation, backoff retries, timeouts, versioned prompts, and prompt-injection guards.
- Added a zero-cost local engine: a 235-skill taxonomy plus on-device sentence embeddings (MiniLM, cosine similarity); edits the user's own resume PDF in place; 372 automated tests.

Phenko Mat — Location-Based Swipe Marketplace — Live Demo · GitHub

Next.js | TypeScript | Node.js | PostgreSQL + PostGIS | Drizzle | WebSockets | Firebase Auth | Zustand | Cloudflare R2

- Swipe marketplace for nearby free or low-cost items; the PostGIS feed uses a partial GiST index and SQL ranking by distance, taste, and freshness.
- Built a Node.js WebSocket chat gateway with HMAC-signed tickets, read receipts, and backoff reconnect; secured the API with Firebase Auth, CSRF checks, and rate limiting.

ScanMark — AI Face Recognition Attendance System — GitHub

Next.js | FastAPI | TypeScript | PostgreSQL | AWS S3 | DynamoDB | React Native

- Built a Next.js API, a Python FastAPI face-recognition service, and a client app with group recognition and offline mode.
- Split storage by workload: S3 for photos, DynamoDB for face encodings, PostgreSQL for attendance; JWT-secured REST API.

EDUCATION

B.Tech — Computer Engineering — Expected 2027

MIT World Peace University (MIT-WPU), Pune