

KARAN RAJPUT

Full-Stack Developer

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PROFESSIONAL SUMMARY

Full-Stack Developer with proven experience shipping production web apps, AI-powered tools, and scalable systems used by real users. Comfortable owning projects end-to-end — from React UIs and Python backends to cloud infrastructure and CI/CD automation.

TECHNICAL SKILLS

Frontend: React (v19), Next.js, TypeScript, JavaScript (ES6+), Vite, Tailwind CSS, Framer Motion, Zustand, PWA

Backend: Python (FastAPI, Flask), Node.js, Express.js, Firebase Functions, REST APIs, Async Streaming, Reverse Proxy

Databases: PostgreSQL (AWS RDS), Firebase Firestore, MongoDB, SQLite, ChromaDB

AI / ML: LLM Integration, RAG Pipelines, Qwen Embedding, GLM-OCR, TFLite, MediaPipe, Vector Search, Tool-Call Agents

DevOps & Cloud: AWS (EC2, RDS), Vercel, Heroku, DigitalOcean (Droplets/Spaces), Cloudflare (WAF/Rules), Azure, GCP, Docker, GitHub Actions, CI/CD

EXPERIENCE

Backend Intern · [AnyFeast.com](https://anyfeast.com)

Mar. 2026 – Present

Remote

- Developing and maintaining backend services and REST APIs for the AnyFeast food-tech platform in a fully remote capacity.
- Collaborating with the product team to design scalable server-side features, integrate third-party services, and ensure high availability in production.

PRODUCTION PROJECTS

CallMissed.com

Next.js, Tailwind CSS, FastAPI, PostgreSQL, AWS EC2/RDS, Cloudflare, Cashfree PG

- Architected and launched a unified AI API platform aggregating **300+ models** across LLM, image generation, STT, TTS, and multimodal capabilities under a single API surface for developers.
- Built real-time voice bot infrastructure enabling AI agents to conduct live phone calls, handling conversation state, audio streaming, and interruption detection end-to-end.
- Engineered a multi-tenant backend with FastAPI and PostgreSQL (AWS RDS) supporting **6 independent frontends** deployed across subdomains, served globally via Cloudflare WAF and custom firewall rules.
- Implemented enterprise-grade security: 2FA, Cloudflare protection rules, secrets management, Cashfree payment gateway with webhook billing, and automated email notifications for all account events.

Tecnomate.in

WooCommerce, Razorpay, WordPress, Nginx, Linux

- Built a full WooCommerce eCommerce platform with Razorpay payment gateway, checkout optimisation, order management, SSL setup, and multi-layer caching; improved Core Web Vitals and implemented on-page SEO with structured data and XML sitemap.

Freetochat.app

React, TypeScript, Python/Flask, Firebase, Vercel, Heroku, DigitalOcean, GitHub Actions

- Shipped a full-stack unlimited AI chat app with real-time streaming, document analysis, and image understanding. Engineered Python/Flask backend for async AI streaming APIs with low latency under concurrent load.
- Set up hybrid multi-cloud deployment: React on Vercel, Flask on Heroku, object storage on DigitalOcean Spaces, Firebase for real-time data — all automated via GitHub Actions CI/CD pipelines.

OTHER PROJECTS

- SignSpeak** (*React 19, Vite, Tailwind, FastAPI, MediaPipe, TFLite, WebSockets*) — Real-time ASL-to-English translator using 21-point hand landmark detection and a custom TFLite model for A–Z and 0–9 sign classification. WebSocket pipeline streams sign-to-text in real time with SymSpellPy autocorrect, Edge-TTS/gTTS English/Hindi speech, and gesture-based UI control.
- RAG PDF System** (*Python, GLM-OCR, Qwen Embedding, ChromaDB, Qwen 3.5 9B, Mermaid.js*) — Local RAG pipeline that ingests handwritten/typed PDFs, splits pages into images, and runs GLM-OCR for text extraction. Embeds text via Qwen Embedding Model into ChromaDB; Qwen 3.5 9B uses tool-call to fetch relevant chunks and generate context-aware answers with inline Mermaid diagram rendering.
- Aromatic Tales** (*Vite*) — Creative storytelling and publishing web app with optimised asset delivery, code splitting, and a fast, responsive authoring experience.
- Trade Mart** (*Flask, Streamlit, SQLite*) — Online marketplace with product listings, admin panel, and user authentication.
- Web2Free — Instagram UI Kit** (*HTML, CSS*) — Pixel-perfect recreation of Instagram's core UI components as a reusable front-end kit with zero framework dependencies.

EDUCATION & CERTIFICATIONS

Bachelor of Engineering, Savitribai Phule Pune University

2023 – 2027

Certifications: Google Cloud — Implement DevOps Workflows Skill Badge • Linux Foundation — Introduction to DevOps & SRE • Harness — Certified Continuous Delivery & GitOps Developer • Educative — Cloud Computing Fundamentals