Pranita Aeer

Full stack Developer (MERN)

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Summary

Full stack Developer (MERN) specializing in AI-powered applications and Generative AI integrations. Expertise in building RAG systems using Next.js, FastAPI, and vector databases like ChromaDB and Qdrant Cloud. Proficient in leveraging CLIP for computer vision tasks and integrating LLMs (Gemini, Groq) for intelligent Q&A and chatbot functionalities. Strong foundation in MERN Stack, TypeScript, and Python, with a track record of deploying production-ready applications on Vercel and Render. Committed to solving complex problems through innovative AI/ML implementations

Skills

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3
Frontend: React.js, Next.js, Tailwind CSS, SCSS, Zustand, Redux Toolkit, GSAP, Vite, Material UI,ShadCN UI
Backend: Node.js, Express.js, FastAPI, REST APIs, JWT, Google OAuth, Honojs
Database: MongoDB, ChromaDB, PostgreSQL, MySQL, Supabase, Redis
AI/GenAI: Gemini API, Groq API, LLM, Prompt Engineering, Embeddings, Vector DB, RAG, CLIP
Tools & Deployment: Git, GitHub, Postman, Docker, Vercel, Axios, Clerk, Jest
Third-Party Integrations: Stripe, Razorpay, Google OAuth, Clerk, Sanity CMS

Work Experience

Full Stack Developer Intern **Remote**
The RD Group of Industries jun 2026 - sep 2026

- Diagnosed and resolved critical frontend and backend errors on multiple company websites to maintain high availability and seamless user experience
- Debugged data retrieval issues in Sanity CMS, fixing blog content display errors and ensuring accurate rendering across the platform.
- Enhanced the Fitness Evolution app by adding custom backend logic and optimizing UI components for responsive performance on all devices
- Managed the full release lifecycle of the Fitness Evolution app, optimizing code, generating APK builds, and publishing to Google Platforms

Projects

AxiomLedger — *React, TypeScript, Node.js, PostgreSQL, Redis, Groq AI, Docker, GSAP* 2026

- Built a double-entry financial ledger with ACID-compliant transactions, guaranteeing balanced books on every posting.
- Designed an AI risk engine (Groq) that scores transaction velocity and routes suspicious payments to human review.
- Automated bank reconciliation via webhook simulation, instantly surfacing ledger mismatches and missing settlements.
- Blocked duplicate charges with Redis idempotency keys and enforced immutable DB-level audit logs.

DocuChat AI — *Next.js, MERN Stack, ChromaDB, Gemini API, Zustand, Typescript, Google OAuth* 2026

- Engineered a RAG pipeline with Next.js and Node.js to enable intelligent Q&A over user-uploaded PDFs.
- Implemented a document-processing workflow using Gemini API for text extraction and semantic embeddings, storing vectors in ChromaDB for fast similarity search
- Integrated Groq for low-latency LLM responses (averaging under 1.5 seconds) and implemented Google OAuth authentication.
- Deployed the application on Vercel (frontend) and Render (backend) to optimize serverless performance.

E-Commerce Platform — *MERN Stack, TypeScript, Redux Toolkit, Redis, Stripe, Firebase, Groq API* 2025

- Developed a scalable e-commerce platform with React.js, Node.js, Express.js, MongoDB, Firebase, and JWT authentication
- Integrated Stripe payment gateway to enable secure online transactions and smooth checkout for customers.
- Implemented Redis caching for frequently accessed product data, reducing database query latency by 60%.
- Boosted user engagement by adding a Groq API chatbot for support and product recommendations.

Education

Dnyankunj College of Information Technology and Management (DCITM) Sindhudurg, Maharashtra
Bachelor of Computer Applications (BCA) 2023-2026
Percentage: 79.50%
CGPA: 8.50/10

Certifications

- **Generative AI** – PW Skills 2026
- **Claude AI** – PW Skills 2025