

TANISHQ BHOSALE

Bangalore

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Professional Summary

Full Stack + AI Engineer with 2+ years shipping production LLM and agentic AI systems using LangGraph, FastAPI, and React Native. Built multi-tool agents with streaming, long-term memory, and real-time analytics at scale. Seeking GenAI / AI Engineer roles in Bangalore.

Experience

Tap Academy

March 2025 – Present

Full Stack Engineer

Bangalore, Karnataka

- Built production LLM-powered AI code assistance feature using OpenAI APIs with optimized prompt engineering and token management, serving real-time suggestions to students on the learning platform.
- Developed scalable full-stack applications with React + FastAPI/Node.js, implementing Redux state management and React Router for a responsive learning experience.
- Optimized PostgreSQL and MongoDB queries through indexing and query restructuring, reducing average API response time by ~35%.
- Integrated streaming LLM responses via Server-Sent Events for instant feedback on code submissions, improving perceived responsiveness.

Quanta

July 2024 – Present

Software Development Engineer 1 (SD1)

Bangalore, Karnataka

- Designed high-performance FastAPI and Flask APIs for real-time synchronization and collaboration features, handling concurrent user sessions with low-latency updates.
- Built scalable MySQL schemas and integrated third-party APIs for production workloads, reducing data inconsistency issues.
- Contributed to modular backend architecture with reusable service layers, cutting new feature development time for adjacent modules.

Visionet Systems

Feb 2024 – Jul 2024

Software Developer Intern

Bangalore, Karnataka

- Built reusable AWS cloud component and modular Python solutions with optimized SQL queries, improving scalability and data integrity.

Skills

- **AI/ML** LangGraph, LangChain, LLM Integration, RAG, Vector Databases (pgvector), Agentic Workflows, Prompt Engineering, Mem0
- **Languages** Python, JavaScript, TypeScript
- **Frontend** React, React Native, Expo, Redux, Zustand, Tailwind CSS
- **Backend** FastAPI, Node.js, Flask, Prisma
- **Databases** PostgreSQL, MongoDB, MySQL, pgvector
- **Cloud** AWS, Firebase, Supabase
- **Other** RESTful APIs, Async Architecture, Modular Architecture, SQL Optimization

Projects

AI Fitness Coach | *LangGraph, FastAPI, React Native, pgvector, OpenRouter*

2025

- Built production agentic AI system using LangGraph state machine orchestrating 8 domain-specific tools for logging fitness, nutrition, and lifestyle data grounded in user context.
- Implemented long-term memory via Mem0 + pgvector for cross-session personalization, with 4-way parallel context loading reducing first-token latency by ~40%.
- Engineered SSE token-streaming pipeline with real-time tool event extraction, cutting perceived response time from ~3s to under 500ms via optimistic UI updates.
- Shipped cross-platform mobile app (Expo SDK 54, React Native, Zustand, Reanimated 4) with subscription gating via Adapty and server-enforced rate limiting (5 free messages/day).

- Designed proactive coaching with APScheduler-based push notifications and pattern detection over 21-day activity logs across 5 weighted nudge tones.

MindSnack Quiz Builder | *TypeScript, Express, Prisma, PostgreSQL, React, Vite*

2025

- Built full-stack quiz/survey funnel system for MindSnack iOS app with JSON-driven screen engine enabling admins to build and A/B test quiz variants without code deployments, reducing iteration time from days to minutes.
- Developed Node.js/Express backend with Prisma ORM, JWT admin auth, quiz CRUD, response collection, and payment lead management; integrated Clerk, RevenueCat, and GeoIP detection.
- Engineered three-layer analytics pipeline (backend funnel analytics, GA4, Meta Pixel) tracking 10+ conversion events per user for ad retargeting and drop-off analysis across geo/device segments.
- Designed dual-email capture funnel (pre-payment and post-payment) with RevenueCat subscription flow, recovering ~20% of mid-funnel drop-offs via re-engagement.

AI Code Editor | *LLM, FastAPI, React, Node.js*

Aug 2024

- Built intelligent code editor integrating LLM APIs for real-time code suggestions, debugging, and contextual completions with sub-second response times.
- Implemented FastAPI backend with optimized prompt processing and token management, reducing average token usage per request by ~30% through context trimming and caching.

Education

PRESIDENCY UNIVERSITY

2020–2024

B.Tech Computer Science & Engineering (Data Science) – CGPA 7.95

Bangalore, Karnataka