

HARSH GOYAL

Software Engineer | AI-Native • LLM Apps • AI Agents • TypeScript • React • Python

MATES Visa (Subclass 403) – Full Work Rights, No Sponsorship Required | Melbourne, VIC | [60-Second Intro](#)

harshgoyal1415@gmail.com | linkedin.com/in/code-life-with-harsh | github.com/codelifewithharsh | codelifewithharsh.com

Summary

Software engineer with 2 years shipping product features for HDFC Bank's **PayZapp** (10M+ users), and an **AI-native** builder. Has shipped **LLM pipelines**, **AI agents** adopted by the team, and **Nourish**, a live AI app built solo with LLM vision and cost controls, plus RAG agents and a voice AI agent. Writes well-tested code in agile teams, owns production as on-call, and builds daily with **Claude Code** and **Codex**.

Experience

Zeta — Software Development Engineer II (promoted from SDE I)

Sep 2024 – Sep 2026

Bangalore, India — \$2B fintech powering HDFC Bank's PayZapp & Pluxee

- **AI Engineering at Zeta**
 - **LLM pipeline** (Python): turns Play Store reviews into pain points, trends and team action items (**Spot Award**).
 - Made LLM output production-reliable with **batching**, **schema validation** and **retries**; metrics computed server-side.
 - Built **AI agents**: a crash-detection agent catching issues pre-production and a daily PR digest agent for faster reviews.
 - Made a legacy codebase **agent-ready**; wrote reusable **Claude skills** and context docs the whole team adopted.
 - Used **AI-generated test cases** to rebuild unit and integration test coverage; ran a **4-part internal AI series**.
- **MyCards – PayZapp (HDFC Bank's consumer payments app, 10M+ users)**
 - Built PayZapp's first **Flutter** module in the native Android/iOS apps, with product and design from concept to release.
 - Drove a **70% rise** in card additions, **27%** of all HDFC bill payments and a **610% jump** in card-management interactions.
 - **Primary on-call**: triaged production issues with RCAs; cut forced logouts **99.2%** (56,941 to 454).
- **Pluxee & Engineering Practices**
 - Modernized a legacy **Objective-C** codebase and delivered **iOS 26** compatibility on deadline (3.5M+ users).
 - Agile sprints, code reviews, technical docs and QA sign-off; maintained **Bitrise CI/CD** pipelines across environments.

1ClickTech Global Services — Frontend Developer Intern (React, Next.js)

Jul 2023 – Dec 2023

Gurugram, India

- Led a live auction web app in **React/Next.js** with SSR and real-time **WebSockets**, cutting page load times **40%**.

AI Projects

- **Nourish – AI Nutrition App (built solo)** — TypeScript, React Native, Supabase, Postgres, GPT-4o-mini [Live on Google Play](#) with **150+ users in 2 months**; designed and built end to end with Claude Code.
 - **Multimodal LLM**: GPT-4o-mini vision splits a photo of a multi-dish plate into **4–8 tracked food items**.
 - **Human-in-the-loop UX**: users fix AI mistakes in one tap; every correction saved as labelled data.
 - **LLM cost & guardrails**: cut OpenAI costs **60%+** with caching; per-user AI quotas and row-level security.
- **AI Agent Workflow (RAG)** — n8n, OpenAI, Pinecone, Apify – **Featured on n8n's official template library**
 - Agent scrapes jobs, scores fit with **RAG** over **vector embeddings** and drafts tailored cover letters via OpenAI.
- **Voice AI Agent** — Vapi, LLM prompting, calendar integration – [Demo](#)
 - Voice agent that checks calendar availability, answers tenant questions and books flat-viewing appointments.

Skills

AI & LLM:	OpenAI APIs, LLM vision, Prompt Engineering, RAG, Embeddings, Pinecone, AI Agents, Vapi, n8n
AI-Native Dev:	Claude Code, Codex, GitHub Copilot, Claude Skills, Context Engineering
Languages:	TypeScript, JavaScript, Python, Dart, Swift, Objective-C
Frameworks:	React, Next.js, React Native, Flutter, Node.js, Supabase, PostgreSQL
Engineering:	Unit & integration testing, Git, Bitrise CI/CD, Agile/Scrum, code review, on-call

Education

Birla Institute of Technology and Science (BITS), Pilani — B.E., Electrical and Electronics Engineering

2024

Awards & Community

- **6 awards at Zeta**, incl. **Spot Award** (AI review analyzer), **Mountain Mover** (MyCards at 10M+ scale), **Shining Star** (twice), **Ultimate Team**; Tech Conclave speaker.
- **@codelifewithharsh** (Instagram, LinkedIn) – Teaches developers to build with Claude, Codex and n8n; ran a **2.5-hour public AI masterclass** for PMs (RAG, MCP, agents, evals).