

Himanshu Jaroli

[Portfolio](#) | [Toptal](#) | [linkedin://himanshu-jaroli](#) | [github://HJIX](#)
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EXPERIENCE

Toptal, US (Remote)

Software Engineer – MAR 2026 – PRESENT

- Owned end-to-end delivery of a **multi-agent AI pipeline** (FastAPI, LangGraph, OCR) that automates **M&A due diligence** cutting analysis time from hours to **10 minutes**
- Evolved the pipeline to a billable product building the marketing site, UI, and backend services with **auto-generated LOI documents, PDF/PPTX report exports, and metered credit paywall** (Stripe)

NovaCrafts.AI, India (Remote)

Co-Founder – NOV 2025 – PRESENT

- Co-Founded a **custom software solutions agency** overseeing **technical strategy** and **delivery** for clients and internal initiatives ranging from MVP to full-scale applications.
- Built **RememberPress** (Next.js, Express.js, Langgraph), a **GenAI platform** that transforms unstructured user inputs like journals & voice notes into print-ready books.

RapidStart Pty. Ltd., Melbourne (Remote)

Software Development Engineer 2 – MAR 2025 – OCT 2025

- Designed a **hierarchical multi-agent** system (Node.js, React, LangGraph, MCP servers) for dynamic, multi-step query resolution via task chaining.
- Built an **autonomous computer-use agent** (FastAPI, LangGraph, OmniParser vision models) with a **VNC-based pipeline** for real-time visualization and interaction.
- Built UI and backend for an **AI phone agent platform** (Express.js, Twilio, ElevenLabs) automating inbound and outbound communications handling **10K+ calls** monthly.

Tata Consultancy Services, Pune

Product Engineer – DEC 2023 – FEB 2025

- Built **AI agents** for **high-quality product delivery** and **talent engagement** SaaS (Next.js, Vercel AI SDK, GPT-4o, Llama embeddings, Qdrant) that cut job execution time by **62%**
- Built multiple **complex UI components** like Conversational AI workbench, artifact viewers, Monaco code editor, WYSIWYG Markdown editor and UI code previewer in React.js.
- Built a suite of **REST APIs** and **optimized performance**, cutting server response time by **20%..**
- Built a **low-code application** platform (React, Java/Spring Boot) that generated full-stack apps from **intent specification**, cutting dev time from **2 weeks to 2 days**.
- Added **GPT-4-powered generative assistance** and a **VS Code extension** for intent authoring, lifting developer productivity by **60%**.

EDUCATION

Bharati Vidyapeeth University, Pune JUL 2018 – JUL 2022

B.Tech in Computer Science and Business Systems | **CGPA – 9.26**

SKILLS

- Languages:** TypeScript, JavaScript, Python, Java, HTML/CSS
- Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, FastAPI, Zustand, React Query, Tailwind CSS, shadcn/ui, sandpack, Jest, Vitest
- Data:** PostgreSQL, MongoDB, Redis, Prisma, SQLAlchemy, Alembic
- Cloud & Systems:** AWS, GCP, Docker, Kubernetes, BullMQ, Kafka, Render, Clerk, Stripe, Resend, N8N
- Concepts:** Design Patterns, Distributed Systems, REST API, Websockets, WebRTC, Git
- AI & LLM:** LangGraph & LangChain, MCP, RAG, Gemini, Anthropic & OpenAI APIs, fine-tuning (LoRA/SFT), agent workflows, prompt caching, streaming speech-to-text (Deepgram, Azure Speech)

PROJECTS

- ReferMate** – *React.js, Express.js, Gemini API, Supabase, S3, Redis, MQ* [URL](#) | [Github](#)
An **AI SaaS** generating **Resume & JD-grounded** referral and follow-up messages sent via the user's own Gmail with reply syncing, backed by an **async resume-parsing pipeline** (BullMQ, retries, DLQ) converting PDFs into structured profiles via LLM.

AWARDS

- Received **Young Innovator Award** from **TCS CTO, Dr. Harrick Vin** for Glow framework assistance.
- Received **Star performer of the month** Award for 2 consecutive months and 3 times in a year