

MANAS GUPTA

+91-8920081582 | manasgupta1820@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EXPERIENCE

- Full-Stack Engineer** | *Spine AI (YC S23)* Nov 2024 – Present
- Built and owned the Go service that schedules every AI workflow run. Checkpointed state, resumable workers, and three racing recovery paths give exactly-once completion at **10,000+ executions daily**.
 - Built the background daemon behind Medley, an agent orchestrator shipped as a Claude Code and Codex plugin: a launchd-supervised singleton running six agent runtimes off one WAL SQLite store, self-updating roll-forward-only on the MCP handshake.
 - Wrote both first-party SDKs (TypeScript, Python) end to end, and shipped the graph-editor front end plus Terraform/ECS infrastructure behind **5+ production services**.
- Freelance Engineer** | *lighthouse.storage* Aug 2024 – Nov 2024
- Automated recurring platform workloads, sustaining **50,000+ jobs daily**, by designing and shipping a scalable distributed cronjob service.
 - Enabled decentralized storage of large-scale files, by building an IPFS-based service for efficient file storage and transmission.
- Backend Engineer** | *Crunchit.ai* Sept 2023 – Jul 2024
- Shipped an NLP-to-SQL interface at **90% query accuracy** that let non-technical users self-serve analytics, and drove a **60% revenue increase**.
 - Built a dbt-style semantic layer so business teams could define metrics without SQL.
 - Scaled ingestion connectors to **100M events daily**.
- Backend Developer** | *FamPay (YC S19)* Sept 2022 – Aug 2023
- Re-architected the backend into Kafka-connected event services, improving system performance **20%** and enabling real-time processing.
 - Cut deployment time **75%** by automating releases with Kubernetes, Kustomize, and the GitHub APIs.
 - Drove a **15%** engagement lift building product experiments and user-facing features in Django.

EDUCATION

- Vellore Institute of Technology** Tamil Nadu, India
B.Tech, Computer Science Engineering | GPA: **8.52/10** Jun 2019 – Jun 2023

PROJECTS

- Fakeout** | *Open Source* | *TypeScript* | *npm* Jul 2026
Zero-dependency disposable-email detection covering **5,000+ burner domains**. **36k npm downloads a month**, and it runs in Spine AI's production auth flow.
- TipTap TOC Extension** | *Open Source* | *TypeScript*, *React*, *TipTap v2* | *npm* May 2025
Scroll-tracking table-of-contents plugin for TipTap v2. **2.1 kB gzipped**, smaller than the official extension.
- Why Waste** | *Freelance* | *Flutter*, *Next.js*, *Supabase* | *Play Store* | *App Store* Aug 2023
Water-conservation app built with the Govt. of Maharashtra and UNICEF. Usage tracking and reward streaks, past **100k Android installs**.
- Runbhum** | *Open Source* | *Flutter*, *Firebase* | *Website* May 2021
Real-time sports coordination app. Designed the Firestore schema and led integration and QA. **114 GitHub stars**.

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, Go, Rust, C/C++, Dart, SQL
Frameworks: FastAPI, Django, Next.js, React, NestJS, Flutter
AI/Agents: Claude Agent SDK, MCP, LangChain, RAG pipelines, LLM cost & eval tooling
Infra/Data: AWS, GCP, Terraform, Docker, Kubernetes, PostgreSQL, Redis, Kafka, CI/CD

ACHIEVEMENTS

- Xiaomi Ode2Code 2.0** | *1st Place* out of **8000+ teams** Nov 2022
Dolat Capital Hackathon | *2nd Rank* Mar 2022
C2C Hackathon | Best Pitch Award, winner among **370+ hackers** across **102 global projects** Oct 2020