

Nirvaan Lagishetty

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Summary

AI Engineer building Agentic Systems that **execute real business workflows** across enterprise software. Designs for reliable production execution through persistent state, failure recovery and human approvals.

Experience

CloudRedux

AI Engineer

Pune, India

February 2026 - Present

Joined as an intern; converted to full-time on May 18, 2026.

FosterX: Organizational AI Platform

- One of the primary engineers building FosterX into a reusable organizational AI product that answers company questions, routes and executes departmental tasks, and accepts software commands through WhatsApp, email, Telegram and Discord.
- Reduced agent response times from **21+ seconds to 1-5 seconds** while improving answer quality by managing and injecting relevant context and memory; optimized costs through model routing, caching, token reduction and infrastructure utilization.
- Connected RAG, business APIs and browser automation on AWS; used Temporal to resume failed workflows from persisted state and evaluated model performance, response latency and real task execution.

Agentic Billing Platform

- **Lead developer and client/delivery owner** of FosterX-based billing: agents retrieve status/drafts through WhatsApp and submit human-approved drafts via Webtel GSP for GST e-invoicing and tenant delivery.
- Processed **₹22.5 crore** in invoices in its first six months; reduced a days-long process to **~20 minutes** of human review and **~10 minutes** of automated execution.
- Owned architecture, development, QA, deployment and production operations, **client relations** and vendor selection/integration; delivered maker-checker approvals, reconciliation, follow-ups and dashboards using FosterX's Temporal-backed recovery.

Agentic Go-to-Market Pipeline

- **Owned the production Go-to-Market pipeline end to end**, translating the marketing head's manual process into an execution workflow.
- Built company sourcing and research workflows that interpret product, business and buyer signals, map likely problems to teams and decision makers, and select targets for outreach.
- Turned agent research into personalized outreach and controlled email/LinkedIn execution; **bound send approvals to the exact reviewed content** and projected live pipeline status into Twenty CRM for operator visibility.
- Built Hermes-based orchestration to dispatch interchangeable Claude Code, Codex and OpenCode workers into persistent repository environments, supporting capacity for **200+ companies/day** and roughly **1,000 people/day**.
- Designed producer/consumer execution with RabbitMQ, using a shared PostgreSQL database as the source of truth for pipeline state, so another machine could **continue a run after a machine, browser session, or agent failure**.

CloudRedux (continued)

Agent-Native Development Infrastructure

- Helped redesign the team's development environment for persistent human and agent work, replacing person-bound setups with shared, reproducible resources across **8 development machines**.
- Enabled agents to modify code, use approved browsers/applications and run development servers/tests in authorized project environments with defined permissions and isolation, continuing work after operator disconnects within established safety and security controls.
- Supported a **3-machine Go-to-Market fleet** with 55+ actively running agents and ~20 concurrent research jobs per machine; built Hermes resource/session orchestration over observable Herdr/Tailscale environments to select and wake machines, dispatch agent work and return results.

Makhija Quantum AI

Mumbai, India

Product Engineer & Applied AI Developer (Intern)

November 2025 - January 2026

- Built and launched PilotMail end to end, a multi-tenant email SaaS for campaign delivery, personalized outreach and attribution across opens, clicks and replies.
- Implemented Next.js/FastAPI services, PostgreSQL storage and SES v2 delivery on AWS/Docker; added RAG and embeddings for personalization, with GitHub Actions CI for deployment.

NGM Asia Pacific

Mumbai, India

Data Analyst

October 2024 - October 2025

- Built operational data pipelines and interactive CXO dashboards for business performance tracking, using Python and SQL to clean and transform source data.
- Integrated agentic automation and chatbot workflows with internal teams, reducing support tickets by **30%**.

Education

B.Sc. Data Science, Vidyalankar School of Information Technology, University of Mumbai

CGPA: 8.0/10

August 2022 to May 2025

Technical Skills

- **Agents & Orchestration:** Tool calling, workflow orchestration, multi-agent systems, human-in-the-loop, MCP
- **Execution Infrastructure:** Temporal, RabbitMQ, PostgreSQL, Playwright, persistent workers, distributed execution
- **LLM Systems:** RAG, context/memory, Hindsight, model routing, evaluation, Anthropic Claude, OpenAI, Gemini
- **Languages & Backend:** Python, C++, TypeScript, SQL, FastAPI, Next.js, REST APIs
- **Cloud & Deployment:** AWS (EC2, RDS, S3), SES v2, private VPS, Linux, Docker Compose, Nginx, GitHub Actions CI/CD
- **Additional ML/CV:** PyTorch, CUDA, OpenCV, YOLO (Ultralytics)