

Prince Gupta

☎ +91 8743879616 ✉ princegupta1586@gmail.com 🔗 [linkedin.com/in/princegupta1301](https://www.linkedin.com/in/princegupta1301) 🌐 github.com/NastyRunner13

Education

Vellore Institute of Technology, CGPA : 8.24

August 2021 – May 2025

Bachelor of Technology in Computer Science (Specialization in AI and ML)

Bhopal, Madhya Pradesh

Experience

AI Engineer

March 2025 – Present

Tata Communications Ltd.

Bengaluru, Karnataka

- Designed and deployed an enterprise-grade **multi-agent AI platform** using **LangGraph** and **FastAPI** with **hierarchical delegation** and **ReAct-based orchestration**, serving 500+ enterprise customers across billing, ServiceNow ticketing, and support workflows.
- Architected **agentic workflows** with custom state management, **tool-calling interfaces**, and **summarized long-term memory**, enabling reliable multi-step task execution across complex enterprise use cases.
- Built **Eval pipelines** and resilience layers using node-level retries in **LangGraph** and **Tenacity**-based fault-tolerant API calls, reducing workflow failures significantly and ensuring production-grade **accuracy and latency** thresholds.
- Deployed **production-ready** APIs via **FastAPI** and **Docker**, architecting the connective tissue between the AI platform and customer's live infrastructure including legacy APIs and support systems.

Data Science Intern

June 2024 – August 2024

Centre for Development of Advanced Computing (C-DAC)

Pune, Maharashtra

- Developed **Transcripto**, a Streamlit-based multimodal AI application for transcription, summarization, and Q&A over videos, PDFs, and images.
- Integrated **Wav2Vec2** for speech-to-text and **EasyOCR** for image text extraction.
- Utilized **PyPDF2** and **MongoDB** for efficient PDF text extraction and data storage.

Projects

StockTradingAgents | *Python, LangGraph, LangChain, FastAPI, ChromaDB, Next.js, Groq* | [GitHub](#)

2026

- Built **NexusTrade**, a multi-agent LLM trading system that orchestrates **13 specialized agents** in a **LangGraph** DAG with parallel execution, adversarial debates, and adaptive confidence scoring.
- Ran 4 analyst agents in parallel (market, sentiment, news, fundamentals), then a bull/bear research debate and a 5-agent risk committee, streaming decisions over **FastAPI WebSockets** to a **Next.js** dashboard.
- Added **ChromaDB** long-term memory over past trades, EMA-weighted confidence tracking, Kelly-capped position sizing, and a rate-limited **Groq** client with backoff so the same pipeline handles stocks (yfance) and crypto (CCXT).

AgentNotch | *JavaScript, Electron, Node.js, Chokidar, GitHub Actions, electron-builder* | [GitHub](#)

2026

- Built a cross-platform **desktop observability app** for **local AI coding agents**, monitoring **Claude Code**, **Codex**, **Cursor**, **Grok Build**, **OpenCode**, and **Antigravity** in real time via log tailing, SQLite reads, and process watchers.
- Designed a local-first architecture with a sandboxed **Electron** renderer, **secure IPC (contextBridge)**, read-only file inspection, and zero telemetry, packaged for **Windows, macOS, and Linux** with **electron-builder** (NSIS, DMG, AppImage).
- Shipped production desktop tooling: system-tray notch UI, session dispatch, on-device usage and cost analytics, Claude permission approve/deny from the tray, and **GitHub Actions CI/CD** across Linux/macOS/Windows (Node 20/22).

Technical Skills

Languages: Python, C++, TypeScript

AI / GenAI: LLMs, Agentic AI, LangGraph, LangChain, LlamaIndex, RAG, Prompt Engineering, Hugging Face, ReAct, Hierarchical Delegation, Self-Reflection

Agentic Systems: Multi-Agent Orchestration, MCP (Model Context Protocol), Tool-Calling, State Management, Long-Term Memory, Eval Pipelines

ML & Data: PyTorch, TensorFlow, Scikit-learn, ETL Pipelines

Backend & Infra: FastAPI, REST APIs, Docker, Git, OAuth 2.0

Leadership / Extracurricular

Video Production Manager

February 2023 – December 2023

Photon Ecademy

Remote

- Managed a team of five in-house video editors, ensuring the production of high-quality educational content and adherence to tight deadlines
- Generated over 50 engaging content pieces by reviewing scripts and collaborating with creators, significantly enhancing Photon Ecademy's educational offerings