

CHIDANANDH R

AI/ML Engineer & Full-Stack Developer · Autonomous Agents · Production Systems

Bengaluru, India | chidhanand07d@gmail.com | +91 9900477723 | github.com/Chidhanand07 | linkedin.com/in/chidanandh-r | leetcode.com/u/chidhanand07d

SUMMARY

AI/ML engineer who ships end-to-end products across the full stack, from model logic to deployed infrastructure. Built Gambit, a real-time multiplayer chess platform on a 3-service architecture, and ToxiDerma-XAI, an explainable deep-learning system for medical lesion detection. Currently building Phantom, an autonomous LangGraph trading agent, and ShipIt, a Go deployment CLI. 200+ DSA problems solved. Seeking an entry-level AI/ML or full-stack engineering role.

TECHNICAL SKILLS

Languages: Python · Go · TypeScript · JavaScript · C · Java · SQL

AI / ML: LangGraph · LangChain · TensorFlow · Transfer Learning · CNNs · Explainable AI (Grad-CAM, LIME) · RAG · Embeddings · Claude / OpenAI API

Backend: FastAPI · Flask · Node.js · Express · Socket.io · REST · WebSockets · SQLAlchemy · Pydantic · APScheduler

Frontend / Data: Next.js 14 · React · Tailwind CSS · PostgreSQL · Supabase · Redis · pandas · pandas-ta

Infrastructure: Docker · docker-compose · GitHub Actions · Vercel · Railway · Render · GoReleaser

PROJECTS

Phantom — *Autonomous AI Trading Agent · Personal*

2026 – Present

- Building a 6-node LangGraph agent (reason → risk → decide → narrate → remember → execute) to manage a virtual ₹1L NSE portfolio every 15 minutes during market hours, fusing pandas-ta technical signals (RSI/MACD/SMA) with live news sentiment.
- Designing a persistent trade-memory layer in Redis and PostgreSQL so the agent writes a thesis on every buy and references it on exit, giving multi-session reasoning continuity absent from typical single-shot trading bots.
- Streaming plain-English decision narration to a Next.js dashboard over WebSocket in real time, making agent reasoning auditable for non-technical users.

Stack: LangGraph · LangChain · FastAPI · Next.js 14 · PostgreSQL · Redis · Docker · Claude API

ShipIt — *AI Deployment CLI · Open Source*

2026 – Present

- Building a Go CLI that scans any codebase, detects its stack, and generates production-ready Dockerfiles, docker-compose, GitHub Actions CI/CD, and platform configs (Railway/Render/Fly.io) in under 60 seconds.
- Adding an optional LangChain + Claude layer to enrich environment-variable documentation and resolve unfamiliar stacks, while keeping the core tool fully functional with zero API key required.
- Publishing cross-platform binaries (macOS/Linux/Windows, amd64+arm64) via Homebrew tap, npx, and a curl installer, using GoReleaser to automate the release pipeline.

Stack: Go · Cobra · Bubble Tea · LangChain · Claude API · Docker · GoReleaser

Gambit — *Production Chess Platform · Full-Stack*

Deployed 2025

- Architected and deployed a real-time multiplayer chess platform as 3 microservices (Vercel, Railway, Render), achieving sub-100ms move propagation via Socket.io and Supabase Realtime.
- Built a Stockfish-powered accuracy rating system that scores both players 0–100 after each game via async webhook, persisting results to Supabase PostgreSQL.
- Implemented smart matchmaking and a live friends system across a Next.js frontend, Node/Express/Socket.io game server, and Python FastAPI engine.

Stack: Next.js 14 · TypeScript · Node · Express · Socket.io · FastAPI · python-chess · Stockfish · Supabase · Vercel · Railway · Render

ToxiDerma-XAI — *Explainable Medical Lesion Detection · Team Lead*

2024

- Directed a 4-member team as Team Lead, co-building a transfer-learning pipeline (ResNet50 / EfficientNet) to detect arsenic-induced skin lesions.
- Integrated Grad-CAM and LIME so clinicians can see which image regions drive each prediction, and evaluated the model on accuracy, sensitivity/specificity, F1, and AUC-ROC.

Stack: Python · TensorFlow · ResNet50 · EfficientNet · Grad-CAM · LIME · Flask · Transfer Learning

EDUCATION & LEADERSHIP

B.E. Artificial Intelligence & Machine Learning

Dec 2022 – May 2026

RNS Institute of Technology, Bengaluru

CGPA: 8.0 / 10

- Top 10% of programming coursework. Relevant coursework: DSA, OOP, DBMS, Operating Systems, Computer Networks, NLP, ML Fundamentals.
- Solved 200+ data structures and algorithms problems in Python and C.
- Team Lead for ToxiDerma-XAI and multiple hackathon teams, driving each project from architecture through delivery. Currently building Phantom and ShipIt in parallel.