

Irika Ishani

Email: ishaniirika5@gmail.com

Phone: +916394455460

LinkedIn

GitHub

SUMMARY

GenAI & LLM Engineer specializing in backend architecture and automation using **FastAPI, AI Agents**, RAG and LangChain. Experienced in building scalable, production-grade applications with system design and deployment.

TECHNICAL SKILLS

Programming Languages: Python, SQL, Javascript

Data Structures and Algorithms: Arrays, Hashing, Linked Lists, Trees, Recursion, Dynamic Programming

Backend Engineering: FastAPI, Pydantic, REST API Design, Authentication (JWT), Async Workflows, System Design

GenAI / LLMs: RAG Pipelines, LangChain, Agentic AI, LLM APIs, Prompt Engineering, Embeddings

Data / Processing: Pandas, NumPy, SQL Queries, Data Pipelines

Tools / Platforms: Git, GitHub, Docker, Postman, VS Code, Linux

Databases: PostgreSQL, MySQL, SQLAlchemy, Vector Stores (FAISS / Pinecone)

PROJECTS

InsightLogs Web App

[github.com](#)

- Reduced debugging time by 60% by creating an AI-powered log analysis platform, allowing developers to quickly identify errors, accelerating software release cycles.
- Optimized request handling and asynchronous API workflows, minimizing user wait-time by **22%** and improving overall platform responsiveness.
- Improved system intelligence by integrating Gemini-based LLM analysis for summaries, anomaly detection, and fix recommendations, increasing diagnostic accuracy by **40%**.
- Implemented secure Firebase Google Sign-In authentication, improving login success rate by **45%** and reducing onboarding drop-off by **30%**.

Indian Stock Option Analyzer

[github.com](#)

- Built an intelligent stock options analysis platform using Streamlit and Python, improving strategy evaluation efficiency by **28%**.
- Designed a metrics-rich dashboard that reduced manual calculations by **35%** through automated Greeks, OI insights, and price tracking.
- Enhanced data responsiveness by **18%** by optimizing API requests, caching market snapshots, and refining computational pipelines.
- Boosted decision accuracy by integrating Groq-powered LLM recommendations, enabling faster projections and increasing user clarity by **25%**.

EXPERIENCE

Magnocode Tech Private Limited

Hyderabad , Telangana

Strategy & Data Research Intern

07/2024 – 03/2025

- Led the **DPIIT startup application**, compiling and structuring **20+ documents** that secured official certification.
- Researched and applied for **AWS Activate**, obtaining **\$5,000 in cloud credits** to scale AI infrastructure by **40%**.
- Spearheaded **market research analyzing 17+ astrology platforms**, differentiating product positioning strategy using competitive insights, influencing 8 core features resulting in a 2% increase in user conversion rate.
- Co-designed **3-tier pricing strategies**, freemium hooks, and conversion triggers that increased projected conversion rates by **18%**.
- Drafted the initial **data instrumentation plan** covering **10+ user behavior events** for analytics and growth insights.

EDUCATION

Central University of Haryana

10/2022 – 06/2026

Bachelor of Technology in Electrical Engineering

SGPA: 7.54

Senior Secondary Education (12th Grade)

4/2020 – 6/2021

CBSE

Percentage: 80.8%

Secondary Education (10th Grade)

3/2018 – 3/2019

CBSE

Percentage: 93.02%