

KISHORE B

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Professional Summary

Penultimate-year CS student specializing in AI/ML and cloud-native engineering. Experienced in architecting autonomous agents and scalable full-stack applications with a focus on backend optimization and real-time processing. Delivering high-impact technical solutions in collaborative, agile environments.

Education

Amrita Vishwa Vidyapeetam

B.Tech in CSE (AI)

CGPA: 8.15/10.0

Coimbatore, India

2023 – Present

Sri Chaitanya Techno School

Class XII: 91% | Class X: 98.2%

Experience

TechZeeb

Software Developer Intern

Remote

Jun 2025 – Aug 2025

- Developed and deployed the 'Kovai Natural Farmers' platform, validating core business logic through comprehensive scenario testing.
- Optimized backend architecture, reducing response latency by **40%** by restructuring JavaScript logic and implementing optimized **MySQL queries**.
- Boosted mobile user engagement by **30%** by designing and implementing a fully responsive, cross-platform interface.

Technical Skills

Programming: Python, C++

AI/ML: LLM, NLP, ML, Deep Learning, Neural Networks, RAG, PyTorch, TensorFlow, CV, Pandas, NumPy

Web Development: Next.js, React, Express.js, Flask, FastAPI, HTML, CSS

Databases: PostgreSQL, Supabase, Pinecone, MongoDB, MySQL

Tools: Apache Kafka, Git, GitHub, Docker, AWS, Azure, CI/CD

Projects

Nexus Sentinel - AI Governance & Compliance Engine [GitHub](#)

Next.js, FastAPI, Kafka, Groq AI, Pinecone, AMD ROCm

- Architected an enterprise governance engine to monitor operational intent across Slack/Jira, cross-referencing messages against legal contracts in real-time via a **Kafka-driven pipeline**.
- Developed a **multi-tenant RAG system** using **Pinecone** for tenant-isolated clause retrieval and **Llama 3 (Groq)** for semantic conflict detection, accelerated by **AMD ROCm**.

Thala - Intelligent Incident Management System [GitHub](#)

AWS Bedrock (Llama 3.3), Kafka, Elasticsearch, Flask, AWS Textract

- Engineered an autonomous incident agent using a **Kafka** pipeline to process **Slack/Jira** tickets asynchronously, achieving real-time severity prediction using **Llama 3.3**.
- Integrated **Elasticsearch** for semantic retrieval and **AWS Textract** for OCR, enabling the system to auto-link resolutions and extract context from image attachments.

VigilanceStream - AI Security Monitoring Engine [GitHub](#)

Python, Groq AI, Apache Kafka, Supabase, Next.js, FastAPI

- Architected an event-driven microservices engine for real-time threat detection, utilizing **Kafka** to stream raw system logs for micro-batch processing in 5-second windows.
- Integrated **Groq AI (Llama 3 70B)** for semantic intent analysis, identifying complex attack patterns (e.g., account takeovers) and triggering automated IP blocks via a **80% confidence decision engine**.

Achievements & Hackathons

- Runner Up**, Superhack 2025 (Thala: Intelligent Incident Management System).
- Semifinalist**, Providence Leap Ideathon 2024 (NEXGEN: Wearable Health Tech).