

Kishore Kumar S S

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Education

B.Tech in Computer Science & Engineering, Vellore Institute of Technology (VIT)

Vellore, India

Sep 2022 – Jul 2026

CGPA: 8.18 / 10

Technical Skills

Languages: Java, Python, C/C++, JavaScript, SQL

Backend: Spring Boot, Node.js, FastAPI, REST APIs

Frontend: React, Next.js, component-driven UI

ML & Data: XGBoost, scikit-learn, TensorFlow, pandas, NumPy, SHAP, LIME, Streamlit, CVAT (Data Annotation)

Cloud & DB: AWS, Docker, Git, Linux, MySQL, MongoDB, CI/CD

Experience

Developer Intern, Muthoot Fincorp Ltd. (BankOps)

Chennai, India

May 2025 – Jun 2025

- Built secure, role-based BankOps portal using Java, Spring Boot and JWT; optimized REST queries cutting latency by **24%**.
- Designed structured audit-logging and reproducible exports, increasing audit reliability by **30%**.

Database & AI/ML Intern, GloballyGi Experiences Pvt. Ltd. (i-Plate)

Remote

Sep 2025 – Dec 2025

- Engineered modular pipelines and validation schemas (Python, pandas, CVAT), boosting validation by **35%** and speed by **50%**.
- Built Streamlit dashboards with SHAP/LIME insights improving model recall by **12%**.

Projects

Advanced Diabetes Prediction System

Python, XGBoost, SHAP/LIME, Streamlit

- Developed explainable risk pipeline cutting RMSE by **66%**.
- Deployed SHAP/LIME dashboard improving clinical label reliability.

AI-Driven Water Stress Monitoring in Plants

Python, Ensemble ML, Streamlit

- Built multi-parameter ensemble model classifying plant stress with **92.3%** accuracy.
- Developed dashboard with class probabilities and feature-importance to support irrigation decisions.

Context-Aware Infrastructure-as-Prompt (IaP)

FastAPI, AWS, ChromaDB, Ollama

- Built conversational infra manager using retrieval-augmented memory for AWS operations.
- Enabled natural-language cloud tasks reducing repetitive DevOps effort.

BankOps Portal (Full-Stack System Design)

Java, Spring Boot, MySQL, JWT

- Implemented multi-role auth and secure REST endpoints with full audit trails.
- Optimized backend queries improving throughput and compliance logging.

VitHub — E-Commerce Frontend

React, REST

- Built component-driven storefront with catalog, search, and cart workflows.
- Integrated REST API and testable UI modules improving maintainability.

Awards

2nd Prize — Hack the Future 2025 (National Level)

IIT Gandhinagar , March 2025

Certificate of Appreciation — YANTRA'24 Leadership

2024

Certifications

Microsoft Azure AI-900 Fundamentals

2024

AWS Certified Solutions Architect – Associate

2025

IBM Certified Machine Learning

2025