



EDUCATION

Sri Eshwar College of Engineering	B. TECH(AI&DS)	CGPA: 7.95(4th SEM)	2022 - 2026
SSM Lakshmi Ammal Matric Hr. Sec School	HSC	92.3%	2020 - 2022
SSM Lakshmi Ammal Matric Hr. Sec School	SSLC	87.2%	2019 - 2020

INTERNSHIPS

Django Stack – RV TECHLEARN 2024

Developed a Django application integrating machine learning for deep fake audio detection with a 85% accuracy rate. Implemented user authentication, secure audio upload, and classification functionalities. Reduced potential security vulnerabilities by 40% through stringent backend logic.

Technical Stack: Django, Machine Learning, Speech Recognition, HTML, JavaScript

GenAI - Global Knowledge 2024

Developed a fine-tuned LLaMA large language model tailored for the healthcare sector, optimizing it for medical tasks, and seamlessly integrated it into a mobile application for real-world use.

Technical Stack: LLM, GenAI, React Native, Flask, Peft, QLoRA

PROJECTS

Harvest Haven 2024

Harvest Haven is a comprehensive mobile app for farmers, featuring advanced deep learning and language models for diagnosing and preventing crop and livestock diseases. Integrated with store access, weather updates, and data-driven crop and soil recommendations, it delivers essential support to boost yield and sustainability, all backed by reliable government data.

Technical Stack: LLM, RAG, NLP, Gemini 1.5 Flash, Fine-Tuning, Machine Learning

OncoScrutiny 2024

Developed a machine learning model to detect melanoma from dermoscopic images using CNNs pre-trained model, achieving a sensitivity of 92% and specificity of 88%. Increased diagnostic accuracy by 15% through optimization and hyperparameter tuning and fine tuning.

Technical Stack: LLM, RAG, Groq, Machine Learning, TensorFlow, Flask, Mixtral 7x8B

AyurAlchmy 2024

Developed a mobile app powered by the PyTorch's transfer learning technique with xception model's, with its capability to predict the right ayurvedic leaf upon capturing the image, and display the information like macros, dosage of use, and also recommends the user the particular herb for a particular disease by using a chatbot.

Technical stack: Gen-AI, NLP, PyTorch, Deep Learning, Lora, RAG, Llama 3.1

CERTIFICATIONS

Certified in Artificial Intelligence	BoltIoT	2024
Certified MongoDB Introduction for Students	MongoDB	2024
Certified in AWS Cloud	AWS	2024
Certified in Mastering Data Structures in C and C++	Udemy	2023
Certified in Java Programming - Beginner to Master	Udemy	2023

ACHIEVEMENTS

Leetcode - Top Rating – **1450+** | Top 64.5 % in the World | Problems Solved – 300+ | [Profile](#)

Code chef - Solved **160+** problems | [Profile](#)

Hacker rank - 2 Certificates | 2 badges

GDG'24 – Shortlisted to attend a hackathon conducted by google developers' group of ksrtc. 2024

Code O Clock'24 – Selected and participated in the 24h hackathon in Coimbatore Institute of Technology. 2024

SIH'24 – Selected as one of the top 50 from 230 teams across Sri Eshwar College of Engineering. 2024

HACKFEST'24 – Secured 3rd prize with cash reward conducted by Erode Sengunthar Engineering College. 2024

SKILLS

Language & Frameworks	Python C++ LangChain Langraph LlamaIndex Pydantic AI
Platforms	Langsmith AWS Hugging Face Ollama vLLM
Libraries	TensorFlow Keras PyTorch Gradio Streamlit
VectorDB / Database	ChromaDB Faiss Pinecone MongoDB MySQL
Other	Git GitHub Docker Fine-Tuning RAG
Technical	Gen-AI Machine Learning Deep Learning Data Science Data Structures