HARII SANKAR S

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EDUCATION

Sri Eshwar College of Engineering	**B. TECH(AI&DS)**	**CGPA: 7.95(4rd 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

PROJEC TS

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+

Code chef - Solved **160+** problems

Hacker rank - 2 Certificates | 2 badges

GDG'24 – Shortlisted to attend a hackathon conducted by google developers' group of ksrct.   **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 3'rd 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