



# 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 95% 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, Fine-Tuning, Machine Learning, Pytorch, RAG, React Native, Flask, Gen-AI

### 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:** Machine Learning, TensorFlow, Groq, React Native, Firebase, Flask, GenAI, Qlora, RAG

### 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:** PyTorch, Deep Learning, GenAI, React Native, MongoDB, Flask, Lora, RAG

## CERTIFICATIONS

Certified in Artificial Intelligence	<a href="#">BoltIoT</a>	2024
Certified MongoDB Introduction for Students	<a href="#">MongoDB</a>	2024
Certified in AWS Cloud	<a href="#">AWS</a>	2024
Certified in Mastering Data Structures in C and C++	<a href="#">Udemy</a>	2023
Certified in Java Programming - Beginner to Master	<a href="#">Udemy</a>	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. 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

<b>Programming Language</b>	Python   Basic C++   Basic Java
<b>Web Technologies</b>	HTML   CSS   JavaScript   Django
<b>Frameworks</b>	TensorFlow   Keras   PyTorch   Gradio
<b>Database</b>	MongoDB   MySQL
<b>Other</b>	Git   GitHub   Seaborn   Matplotlib   Power-BI   Tableau   Fine-Tuning   RAG
<b>Technical</b>	Data Science   OOPS   Gen- AI   Machine Learning   Deep Learning   Data Structures