SRI SURIYA S

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EDUCATION

Sri Eshwar College of Engineering-B.TECH [AI-DS] CGPA 8.21		2023 - 2027
Sairam Mat Hr Sec School -HSC	91.5%	2021 - 2023
Sairam Mat Hr Sec School -SSLC	90%	2020 - 2021

INTERNSHIP

MERN Stack Intern: 2025

Created a web app to add, update, and track tasks using the MERN stack.
• Built a user-friendly interface with React.js for managing tasks easily.
• Developed a backend API with Node.js to handle tasks and users.
• Used MongoDB to store task details and user data securely.
• Added user login and authentication for secure access.
Tech Stack: MongoDB, Express.js, React.js, Node.js, Git, GitHub, CSS

PROJECTS

GREEN HORIZON: 2024

A React-Native mobile app for farmers, integrating AI-powered plant growth prediction, disease detection, and smart crop recommendations. Uses Flask, **TensorFlow (CNN)**, Firebase, and Gemini API to analyse plant health from images and provide real-time farming insights. Features include image-based disease diagnosis, fertilizer & crop recommendations based on soil data, and a user-friendly dashboard for tracking plant health. Built scalable **Flask APIs for ML processing** and leveraged Firebase for authentication & cloud storage, ensuring a seamless user experience. (**APP LINK**)- (refer to my GitHub)

Tech stack: Flask, Firebase, ML Libraries, React-native.

AI POWERED WEATHER APP: 2024

Developed a Python-based weather application that integrates AI-powered features for enhanced user experience. The app provides real-time weather updates and forecasts, leveraging machine learning algorithms to predict weather patterns with high accuracy. The project involved creating a user-friendly interface and integrating APIs to fetch live weather data. (refer to my GitHub)

Tech Stack: Python, Machine Learning, API integration.

EMOTUNE: 2025

Developed a cross-platform wellness mobile application using React Native that applies **Machine Learning** for **speech emotion recognition**. Integrated the **Wav2Vec2 model** from Hugging Face pipelines through Gradio to analyse audio input and classify emotional states in real-time. Designed and deployed **Flask-based REST APIs** to handle ML inference and communicate with the **Gemini API** to generate personalized content recommendations (music, books, wellness tips) based on predicted emotions. Utilized **Firebase Authentication** and **Firestore** to manage multi-user data and store emotion prediction history. The app also features **interactive emotion dashboards**, animated data visualizations, and mood tracking. (**APP LINK**)-Refer to my git repository for code reference

Tech stack: Machine Learning, Python, Flask, React Native, Hugging Face Transformers, Firebase, Gradio, Gemini API, TypeScript

CERTIFICATIONS

Certification on C, C++, Java, Python| **Code Galata** - Certificate.	2024
Certification on Database and SQL for Data science |**COURSERA** - Certificate.	2024
Certification on Data Structure and Algorithms Using C and C++|**UDEMY** - Certificate.	2024
Certification on Python(basic)| **HACKERRANK** - Certificate.	2024
Certification on pandas |**KAGGLE**– Certificate	2024
Certification on Power BI |**GREAT LEARNING** – Certificate	2024
Certification on Matplotlib |**GREAT LEARNING** –Certificate	2024
Certification on Supervised Learning |**COURSERA-**Certificate	2025

ACHIEVEMENTS

FRESHATHON: Won **1st prize** as a team at Sri Eshwar College of Engineering
CODEFIESTA: secured **5th place** as a team at Sri Eshwar College of Engineering
HACK SUMMIT 5.0: Secured **runner-up** position in **36-hour hackathon** organised by Temenos Pvt Ltd.(Certificate)
LEETCODE: Contest Ratings – 1501 | 70+problems solved |Rank – 12,43,298 | **PROFILE**

SKILLS

Programming skills: React, React-native, C++, Java, Python, Flask, SQL
Tools: Git, GitHub, kali Linux, ubuntu
Core: Data Structures and Algorithms | OOPS | DBMS |Machine learning | Deep learning | NLP