

LOGABAALAN R S

Artificial Intelligence & Data Science

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EDUCATION

Sri Eshwar College of Engineering	B. TECH(AI&DS)	CGPA: 8.42 (Upto 3 rd Semester)	2022 - 2026
Don Bosco Hr Sec School	HSC	Percentage: 94.14%	2020 - 2022
Don Bosco Hr Sec School	SSLC	Percentage: 92.60%	2019 - 2020

INTERNSHIPS

Artificial Intelligence – Plotch.AI 2024

Integrated Web Speech API and translation features for multilingual support, developed dynamic APIs, and automated cache warming. Utilized Hugging Face's LLMs for semantic search, managed database population, and deployed React and Flask on AWS.

Tech stack: Python, React, Node JS, AWS Server, MySQL

MERN Stack – RV Tech Learn 2024

Applied MERN Stack expertise to develop secure APIs and implement database connections for user authentication in dynamic web applications. Collaborated within a team environment to gain practical experience with cutting-edge technologies.

Tech stack: HTML, CSS, JavaScript, React, Express JS, Node JS, Mongo-DB

PROJECTS

Deepfake Detection 2024

Developed a multi-modal deepfake detection platform using AI-powered Vision Transformers and CNNs for video, audio, and image classification to ensure media authenticity. Optimized performance with Intel's One-DNN, significantly reducing processing times and enhancing system efficiency.

Tech Stack: React JS, Python – Flask, Machine Learning

AI Fashion Generator 2024

AI fashion generator harnesses the MNIST dataset to generate stylish and diverse clothing designs. In this project, my role is to develop the frontend and API. Leveraging machine learning algorithms and synthesizes unique fashion pieces based on learned patterns and trends from the mnist dataset.

Tech Stack: Python, Flask, TensorFlow, HTML, CSS, JavaScript

Smart Blind Belt for Visually Challenged People 2023

A groundbreaking solution empowers visually impaired individuals with object detection and voice feedback, complemented by an SOS feature connecting them to caregivers when needed. Here involved in camera part for the object detection. This revolutionizes mobility and safety for the visually challenged, enhancing their quality of life significantly.

Hardware Components: ESP32 Cam, GPS Neo-6M, Arduino UNO, Ultrasonic Sensor, ESP8266

Tech Stack: Python, Arduino, IoT

CERTIFICATIONS

Certified in Programming in modern C++	Nptel	2024
Certified in Mastering Data Structures and Algorithms using C&C++	Udemy	2023
Certified in Structured Query Language	Hackerrank	2023
Certified in Learn Java Programming Beginner to Master	Udemy	2023
Certified in Introduction to Programming in C	Nptel	2023
Certified in The Joy of Computing Using Python	Nptel	2023

ACHIEVEMENTS

Leetcode: 300+ problems solved | Top 40% in the world | Contest rating – 1613 | [profile](#)

CodeChef: 150+ problems solve | 1 star Rating | [profile](#)

HackerRank: 3 Certifications | 4 badges | [profile](#)

INTEL ONE API HACKATHON: Amrita Vishwa Vidyapeetham, Coimbatore and won 2nd prize with cash price of 40,000. 2024

Hackathon (Devshouse'24): VIT-Chennai (36 hrs National Level Hackathon) and secured as finalist in top 60 teams. 2024

Project Leap Java-DB Sprint Week & First Year Project Expo: Internal Hackathon Conducted by our college and secured 1st position. 2023

PSG I-Tech Hackfest: Hackathon conducted by PSG College of Technology and selected as a finalist. 2023

SKILLS

Programming Languages: C | Basics C++ | Python | Java | HTML | CSS | React

Core: Machine Learning | Data Structures & Algorithms | OOPS

Framework: Python-Flask | **Database:** Mongo-DB | My-SQL

Tools : VS-Code | PyCharm | GitHub | Eclipse IDE | Code Blocks | Google-Colab | Jupyter – Notebook | Sublime – Text | Canva