SOMASEKAR V

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EDUCATION

B.E (ECE) - Sri Eshwar College of Engineering	CGPA : **7.6** (Upto 6th Sem)	**2021-2025**
HSC - Vailanakanni Matric Higher Secondary School,Veppanapalli - **89.5%**	**2020-2021**
SSLC - Vailanakanni Matric Higher Secondary School,Veppanapalli - **83.4%**	**2018-2019**

INTERNSHIP

Neubaltics Tech Private Limited - Machine learning   **2023**

During machine learning internship, to developed and implemented models for real-world projects, showcasing expertise in data preprocessing, model training, and evaluation. Collaborated actively with team members to analyze and interpret results, contributing significantly to project success.

Global Knowledge Technologies - AI Tool (Knime)   **2023**

Developed proficiency in data visualization tools like Tableau and Knime.Gained practical experience in solving real-world problems using machine learning and deep learning.Completed a substantial guided project showcasing skills in data analysis and advanced algorithms.

Amphisoft Technologies - Machine learning   **2023**

A Internship Training on Machine Learning, gain a solid foundation in key concepts such as supervised, unsupervised learning and Reinforcement, regression, classification, clustering, and model evaluation techniques. And also gained practical experience through hands-on projects, further enhancing my understanding of machine learning fundamentals.

PROJECTS

AI Based Voice Assistant

The project is a voice assistant using speech recognition technologies to provide an intuitive and interactive user experience. It performs tasks like setting reminders,make a phone call,weather report,news and answering questions, utilizing Python and libraries such as SpeechRecognition and pyttsx3. This project enhanced my skills in software development, machine learning, and AI.

Tech Stack : Python,Qt-designer

Multi-Functional Blind Stick

The project is designed to aid visually impaired individuals in their day-to-day lives to make tasks easier. Unlike traditional blind sticks, we integrated voice assistance to relay information the user. Furthermore, we implemented deep learning for object detection to identify objects in the user's path, with all operations being conducted through the earphones.

Tech Stack : Python,Qt-designer,opencv2

Fruit Detection

The project aims to determine the number of fruits present on a tree. Object detection techniques are utilized to detect the fruit and count the total number of fruits on the tree,By training the pre trained data to predict and compare the current year's data to assess whether there has been an increase or decrease in cultivation using deep learning and image processing techniques.

Tech Stack : Python , opencv2

SKILLS

Programming Languages : C | Java | Python	**Data Analysis :** NumPy | Pandas | Matplotlib | seaborn
Web Technologies : Html | CSS | Javascript	**Data Science :** Machine Learning Algorithm
Core Concepts : Data structures and Algorithms	**Tools :**VS - Code,Pycharm,GitHub,Tableau,Knime,Qt-Designe,Anaconda
Image Processing : Pytorch | openCV	

ACHIEVEMENTS

LeetCode : Rank - 556,157 | Contest Rating - 1,289| Global Ranking - 558,401 | link

SkillRack : Solved 1300+ problems | Received 7+ certificates | 500+ Bronzes | link

CodeChef : Max Rating - 811 | Star Coder - 1 | Global Rank - 169186 | Country Rank - 160644 | link

Finalist in **Ideathon 2.0** TN startup at Annamalai University, Chidambaram | link

Semi-Finalist in **Agrithon** IIT Tirupati Navavishkar I -Hub Foundation, IIT Tirupati | link

Third place in **Sensathon'23** and won a Cash price at Sona College Of Technology | link

CERTIFICATIONS

Java program Complete Beginner to Advanced | Udemy link	**2023**
Html,Css and javascript web develpoers | Coursera link	**2023**
Joy of computing using python | NPTEL | 71**%(Elite)** link	**2023**
Mastering Data Structures and Algorithms using C and C++ | Udemy link	**2022**