SHARATH SIVAKUMAR

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SUMMARY

A self-motivated and efficient engineer in making, testing and learning various domains in Computer Science and Machine Learning, team player, dedicated and organizing skills.

SKILLS

Adaptability

Fast Learner

Leadership Skills

Communication

Ability to work in a team

EDUCATION

Higher Secondary Education

Maharishi Vidya Mandir Sr. Sec. School

2018 - 2020

Percentile - 85%

Bachelors / Under Graduate

Vellore Institute of Tech. Chennai

2020 - 2024

Currently in Fourth year pursuing Computer Science with spl, in Artificial Intelligence and Machine Learning.

TECHNICAL SKILLS

C,C++

Java

Python

SQL

ONGOING PROJECTS

RaMonic: Obstacle warning device for Visually Impaired People

- Engaged in an ongoing project aimed at creating an obstacle warning device for the visually impaired, titled "RaMonic." The project's core objective involves developing a system that provides real-time obstacle detection and alerts, significantly enhancing the navigation and safety of individuals with visual impairments.

Satellite Applications in Meteorology

- A research using Remote sensing, image navigation and study on satellite imaging.

PROJECTS

Cyber physical Attack Conduction and Detection in Decentralized Power Systems

- Researched effects of false data injection attacks on IoT-based Predictive Maintenance using advanced Deep Learning (LSTM) algorithms. Developed a novel hybrid detection method combining knowledge-driven and data-driven approaches for improved accuracy in parallel operational mode.

Beneficial Crowdfunding

- Defined as individuals taking financial risks to establish profitable ventures, entrepreneurs drive business success. Notable Indian start-ups like Flipkart, OYO, and Swiggy exemplify this amid economic challenges. Vital distinction lies in a business's growth potential and economic influence.

Accident avoidance system

- Developed eye-blink sensor to detect driver fatigue by monitoring physiological signals like eye blinks. Enables device control and operation based on real-time blinking patterns.

Map analyser chatbot using deep learning

- Implemented a Conversational Agent using TensorFlow's Neural Machine Translation (NMT) model for English-to-English conversations. Leveraged TensorFlow's data flow graphs to create the model and utilized NLP techniques to generate contextually relevant responses, particularly focusing on handling lengthy input sentences effectively.

CERTIFICATIONS

Introduction to Packet Tracer

from cisco networking academy

OWASP top 10 vulnerabilities

from tryhackme

Modern JavaScript: ES6 Basics

from coursera