Gokul Krishna.T

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https://gokulkrishnathamattoor.github.io/Portfolio/

Career Objective

I aspire to embark on a career within a dynamic and progressive organization that presents challenging opportunities for growth. My aim is to utilize my skills effectively and strive for excellence, thereby achieving significant milestones and gaining recognition in my professional journey.

Education

Master of Engineering Big Data Analytics, 2021 – 2023
Sri Sairam Institute of Technology (Anna University) Chennai, India
CGPA: 8.5

Bachelor of Engineering Computer Science, 2017 – 2021
Agni College of Technology (Anna University) Chennai, India
CGPA:7.67

High School Leaving Certificate, 2015 – 2017
Vana Vani Matriculation Higher Secondary School (IIT Madras) Chennai, India
MARKS:63%

Secondary School Leaving Cerificate, 2005 – 2015
Vana Vani Matriculation Higher Secondary School (IIT Madras) Chennai, India
MARKS:81%

Projects

Vehicle Speed Detection Using Open CV

This system detects the speed of a vehicle in real-time using the OpenCV library. It can monitor a vehicle using a live camera or the IP address of a camera. The system captures a snapshot of the vehicle and uses image processing techniques to determine the vehicle's speed. This project can improve road safety by detecting speeding vehicles.

Emotion Detection Using Machine Learning

This system detects the emotions of multiple people in a live frame using the OpenCV library and the Haar Cascade algorithm. The system captures a live video or image using a camera, and a region of interest is bounded around each person's face. The Haar Cascade algorithm is used to detect the emotions of each person. This project can be used in marketing research, security, and human-computer interaction

Driver Drowsiness Detection using Machine Learning

This system detects the drowsiness of a driver using the OpenCV library and machine learning algorithms. It uses a live webcam to monitor the driver's face, eyes, and mouth in real-time. An alarm is triggered when the driver yawns or closes their eyes for a specific time period, indicating that the driver is drowsy. The location of the drowsy driver is fed into the system for emergency contact. This project can improve road safety and prevent accidents caused by driver fatigue.

Portfolio Website Using HTML and CSS

Created and Designed a Portfolio Website using Html and CSS, the website contains all basic details about me with social media links, The page has been hosted on GitHub pages.

Skills

Programming Language

Java
Python
C Programming

Scripting Language

HTML
CSS
JS

Embedded

ESP8266
8051

Library

Open CV
Numpy
Pandas
Scikit-Learn

Database

Mysql

Certificates

- Advance Java Certification by FITA Academy
- Hacker rank Python Certification
- Hacker rank java Certification
- Complete Linux Training Course Udemy Certification

Hobbies

Swimming, Football, Badminton, Chess, Cricket, Cycling, Reading Books