MUDIMALA.VIGNANESWAR REDDY

1/435-40, Keerthi Park View, Maruthi nagar, Kadapa, Andhra Pradesh 516003
7793993994 vignanreddy.kdp@gmail.com linkedin.com/in/vignan-reddy-bb34a2253/
github.com/vignanreddy16

Education

SRM Inistution of Science and Technology **Sep. 2020 – June 2024**
B.Tech in CSE Big Data Analytics *Kattankulathur,Tamilnadu*

Sri Viswasanthi Institution **2020**
12th ,PCM *VUYYURU,Andhra Pradesh*

Sri Chaitanys School **2018**
10th *Kadapa,Andhra Pradesh*

Relevant Coursework

* Data Management * Machine Learning * Data Mining * Artificial Intelligence

Internship and Experience

AICTE EduSkills Foundation | June 2023 - July 2023
· Web Development Internship, AICTE Ministry of Housing and Urban Affairs.

Projects

Drowsiness Detection - MACHINE LEARNING | **May 2023 - June 2023**
· Led development of a drowsiness detection system using computer vision and machine learning techniques.
· Developed a machine learning algorithm to analyze facial features and eye movements in real-time for signs of drowsiness.
· Collaborated with a multidisciplinary team to gather, preprocess, and annotate data for training the model.
· Implemented a real-time monitoring system using Python, integrating video streams from in-vehicle cameras.
· Utilized machine learning algorithms including Support Vector Machines (SVM), Convolutional Neural Networks (CNN), and Recurrent Neural Networks (RNN) for drowsiness detection.
· Demonstrated proficiency in computer vision, machine learning, and data analysis.
· Effectively communicated with stakeholders and met project deadlines and budgets.

AVM RIDES - APPLICATION | **March 2022 - July 2022**
· Developed a feature in the AVM (Automated Vehicle Management) system using C language to enhance user experience.
· Addressed the issue of high waiting times for cab arrivals by implementing a real-time tracking and scheduling algorithm.
· Improved user satisfaction by ensuring timely pickups and drop-offs, resulting in increased booking rates and reduced cancellations.
· Utilized data analysis techniques to benchmark waiting times against comparable destinations, optimizing service efficiency.
· Contributed to the overall improvement of the AVM system, enhancing its usability and reliability for users.

Colour Detection Using KNN | **Feb 2023 - Mar 2023**
· Implemented color detection using the K-Nearest Neighbors (KNN) algorithm.
· Developed a system to recognize and classify colors in images or video streams.
· Utilized Python and OpenCV for image processing and KNN algorithm implementation.
· Gathered and labeled a dataset of color samples for training the KNN model.
· Fine-tuned the model's parameters for optimal performance and accuracy.
· Integrated the color detection system into larger computer vision projects for object recognition and tracking.
· Demonstrated proficiency in computer vision techniques, Python programming, and machine learning algorithms.

Technical Skills

Languages: Python, HTML/CSS, SQL, Data Structures
Developer Tools: VS Code, Anaconda Navigator(Jupiter Notes, Sypder),Google Colab
Soft Skills: Communication,Time Management, Team Work, Leadership, Problem Solving
Certifications: Database Foundations - Oracle, Data Engineering - AWS Academy, Building Web Applications - Coursera,

Achievements / Extracurricular

· Data Analytics Approach In Renewable Energy Workshop — SRM University - Nov 2022.
· Member of Hospitality Domain — Directorate of Student Affairs - SRM University