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6/312/1A Muthamizh Main
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Education

2024

Amrita School of Engineering

B.tech | Computer Science Engineering
CGPA : 8.31

2020

Kshatriya Vidya Sala Matriculation School

81.3%

2018

Kshatriya Vidya Sala English Medium School

86.4%

Expertise

- C
- C++
- Python
- SQL
- Java

Language

- English
- Tamil
- Telugu

Omshith R

Highly motivated and talented individual, eager to embark on a successful professional journey. Constantly developing new skills and abilities. I possess excellent communication skills, a keen attention to detail, and a positive attitude that enables me to adapt to new challenges. I am a quick learner and a good team player. My interests include learning new programming languages, watching movies, cricket and gaming.

PROJECTS

○ Jun 2023

Comparative model: Video based fire detection

- Used two models that are Convolutional Neural Network (CNN) and Multi Layer Perceptron (MLP) .
- Trained the models with the help of self made dataset that consists of 154 total videos, by summing all of them we found 91 videos are related to fire and 63 videos are to non fire.
- CNN model had a better accuracy of 95%.

○ Dec 2022

Sentiment Analysis using Text with the help of Machine Learning

- Used bag of words and removed unwanted words from each sentences of the total database.
- After extracting key terms and being processed ,they were input to machine learning models, including Support Vector Machine (SVM), K-Nearest Neighbors (kNN), Naive Bayes, and decision tree classifiers.
- Out of all classifiers the k-NN classifier had topmost precision of 90%.

○ Nov 2021

Automobile website

- Worked on back end of the automobile website .
- Used HTML, CSS and JavaScript for the frontend of the project.
- Used MySQL for the backend unit to add tables based on the automobiles and create relationships between tables for reducing redundancy in data.

PUBLICATIONS

○ THE FOURTEENTH INTERNATIONAL CONFERENCE ON COMPUTING,
COMMUNICATION AND NETWORKING TECHNOLOGIES

Paper title : Video based fire detection using comparative model

ACHIEVEMENTS

- Received a gold medal for scoring 100% (centum) in Computer Science during 12th grade.
- Secured 3rd place in a FORGE-organized FIFA competition.
- Achieved runner-up position in a 12th-grade cricket tournament as a team member.