KEERTHI RAJ VASIREDDY YUVARAJ

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Key Skills

Machine Learning	Python	C	Java	Microsoft Office	MySQL	OpenCV
Raspberry Pi	HTML	Flask	Linux	MATLAB	React	

Experience

ADMISSION STUDENT ASSOCIATE |THE UNIVERSITY OF TEXAS AT ARLINGTON| MAY 2023 – PRESENT

· My primary responsibility is to assist the Admissions team in managing the admission process for prospective graduate students.

· Responsibilities:
   o Answering email inquiries from prospective students.
   o Reviewing and processing admission applications

· Skills: Communication, Organization, Work Independently and as a part of team, Customer Service

ADMISSION STUDENT ASSISTANT |THE UNIVERSITY OF TEXAS AT ARLINGTON| MARCH 2023 – APRIL 2023

· My primary responsibility was to assist Admissions team in managing the admission process for prospective undergraduate students.

· Responsibilities:
   o Answering calls, email, chats inquiries from prospective, current students.

· Skills: Communication, Organization, Multitasking, Work Independently and as a part of team, Customer Service

Projects

REEV (RANGE EXTENDED ELECTRIC VEHICLE) | MARCH 2021 – AUGUST 2022

· The Projects was based on building a hybrid car, the competition was organized by SAEINDIA.

· Designed an algorithm to be implemented on the microcontroller.

· The algorithm was designed on the controlling and sensing of all the sensors along with automatic hybrid conversion.

· **MATLAB – SIMULINK** was used to implement the algorithm and extracting the code.

ROBOCON 2022 | FEBRUARY 2022 – JULY 2022

· Ball Detection had to be implemented into raspberry pi for detecting the ball.

· White ball images were captured with different background images in different angles and multiple translations were applied to for more data generation using the python as a tool.

· Applied Deep Learning algorithms like CNN and Tensorflow lite for better accuracy and efficiency.

· **OPENCV** tracking algorithms like CSRT, KCF, Boosting were more efficient and had better accuracy when compared to DL algorithms due to the low specifications of the Rapsberry pi.

FACE MASK DETECTION | JULY 2022 – JULY 2022

· Realtime Detection of mask on the human face was the major motive of this project during the pandemic season.

· Gathered the dataset from the Kaggle website.

· Developed a Convolutional Neural Network from scratch for the model and manipulated the neural network layers based on the dataset size.

· **OPENCV** was used for the API for detection in real time.

Education

BACHELOR'S IN COMPUTER ENGINEERING SPECILIZING IN DATA SCIENCE | AUGUST 2019 – JUNE 2023 | PRESIDENCY UNIVERSITY , BANGALORE , INDIA

GPA – 3.84

MASTER'S IN COMPUTER ENGINEERING | AUGUST 2022 – MAY 2024 | THE UNIVERSITY OF TEXAS AT ARLINGTON, TEXAS, UNITED STATES

GPA – 4.00

Activities and Interests

Travelling, Music – playing Guitar, Technology insights