CHIRANJEEVI M D

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CAREER OBJECTIVE

To obtain a challenging and rewarding position where I can utilize my skills and knowledge to contribute to the success of the organization while continuously learning and growing professionally.

SKILLS

Programming Languages: Python, C++,Java

Web Development: HTML, CSS, JavaScript, Django.

API Integration**:** RESTful APIs, JSON, XML, PyTorch, TensorFlow,OpeCV,imageio

Database: SQL

Version Control**:** Git, GitHub

Certification: Advanced driver assistance systems(ADAS), Opencv and deep learning, Pursuing java course and data structure and algorithm

PROJECTS

Driver Drowsiness Detection System, the objective of this intermediate Python project is to build a drowsiness detection system that will detect that a person's eyes are closed for a few seconds. This system will alert the driver when drowsiness is detected. We will be using OpenCV for gathering the images from webcam and feed them into a Deep Learning model yolov5 and yolov7 model. which will classify whether the person's eyes are open or closed for the time.

- We had collected data
- Annotated using labelimg in yolo format
- The model was trained using YOLOv5 and YOLOv7 Lite architectures. The resulting model achieved a precision of 70% and an accuracy of 89%. We utilized the AUC (Area Under the Curve) and ROC (Receiver Operating Characteristic) curve analysis to select the best-performing model
- The best model is deployed on pi4
- We are triggering the sensor when driver is sleeping

Custom Object detection: we had implemented object detection on given data to identify the gear is present or not in conveyor belt. We had used vision transformer to identify the gear is present or not. The state of yes or no will go to log. This can be used to generate report and generate the count of the object on given video.

Blood Bank Database Management System, the system is an online Blood lab manager application that bring up various Blood bank working online. Using this system, it will help us to record all transaction made at the daily blood donors.

Skills used - DBMS, Data Structures, Database Management System.

INTERNSHIP

VARCONS technologies Bangalore. Full Stack Web development

- Developed an e-commerce website • Worked as both front end and backend developer

EDUCATION

Engineering (Information Science & Engineering),	2019 – 2023
Kalpataru institute of Technology	Tiptur, India
Aggregate: - 7.1CGPA	
PUC, JSK PU College	2017 – 2019
Percentage: -64%	Arasikere, India
SSLC, SSHS High School	2014 – 2017
Percentage: -90%	Gandasi,Arasikere,India