MONIKA WASEKAR

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EDUCATION

B.Tech, (July 2023) Computer Engineering
Rajiv Gandhi College Of Engineering Research And Technology, Chandrapur **8.08 GPA**

CAREER OBJECTIVE

Looking for a challenging role in a reputable organization to utilize my technical skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector. I consider my self a responsible and orderly person I am looking forward for my first work experience.

PROJECTS

TRAFFIC SIGN DETECTION & RECOGNITION USING PYTHON:

May-June, 2023

This application detected traffic signs around 50 m.Due to traffic the road accidents was increasing in the world. In this I used 43 different signs. project uses various Python libraries, including TensorFlow, CV2, NumPy, and Streamlit, to develop. Firstly, it can accurately detect and recognize traffic signs, which is essential for ensuring road safety. Secondly, it can operate in real-time, providing drivers with instant information about traffic signs. Finally, the system is scalable and adaptable, meaning that it can be applied to different types of roads and environments.

- Here the steps involved in the project to be followed:

1) Start: The program is initialized and started.
2) Capture video frames from webcam input: The program captures video frames from the webcam input, which provides a continuous stream of data for the program to process.
3) Preprocess video frames: The video frames are preprocessed to ensure that they are in a format suitable for input to the CNN model. This includes resizing the frames to a fixed size, normalizing the pixel values, and applying data augmentation techniques such as rotation, scaling, and flipping.
4) Detect traffic signs: The preprocessed video frames are passed, which uses convolutional layers to identify features in the images that correspond to traffic signs. The model outputs a set of probabilities foreach detected sign, indicating how confident it is that the sign is of a certain type.
5) Classify detected signs: The probabilities output by the model are used to classify each detected sign as a particular traffic sign type. This involves selecting the sign type with the highest probability as the classification for each detected sign.
6) Display classified signs in the output window: The classified traffic signs are displayed in an output window, which shows the live video stream with the detected signs highlighted by bounding boxes or other visual markers.

INTERNSHIPS

- **Hindi Software's Pvt. Ltd. Nagpur (Dec 2019 – Jan 2020)**

As a software development intern at HINDI SOFTWARE's Company, I gained hands-on experience in various aspects of software development, including coding, debugging. I collaborated with a team of developers to create and implement software solutions, gaining proficiency in [c programming]. This internship equipped me with a solid foundation in software development practices and enhanced my problem-solving and teamwork skills.

- **Girls Script Foundation Nagpur (1st July - 31st July 2021)**

I successfully completed a dynamic internship focused on graphic design, specializing in creating impactful logos for social media platforms such as Instagram and WhatsApp. This internship not only enhanced my proficiency in industry-standard design tools but also deepened my understanding of effective communication through visual elements in the digital landscape.

SKILLS

- Technologies : ReactJS, NodeJs, ExpressJs, MongoDB
- Programming languages : C, Javascript, HTML, CSS

ACHIEVEMENTS

- **Workshop on Tech Vegan, Nagpur**
  (Hands on workshop on Arduino Kit)

- **Workshop on MDB Electrosoft , Amravati**
  (Learn about C programming for Arduino, Hands on workshop on robots)

PERSONAL INFORMATION

Gender	**:Female**
Birth Date	**:07/04/2001**
Nationality	**:Indian**
Religion	**:Hindu**
Language Known	**:Hindi, English, Marathi**

DECLARATION

I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.

Place : warora **Signature**
Date : 02/12/2023