Prasuk Jain

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PROJECTS

Custom Object Detection and Identification using Deep learning   *Apr 2023 – May 2023*

- Developed a custom object detection web app using YOLO v5.
- Utilized Streamlit framework for building the web app.
- Trained the YOLO v5 model on custom object classes.
- Achieved accurate and efficient object detection results.
- Deployed the web app for seamless user interaction.
- Created an intuitive user interface using Streamlit for easy navigation.
- Collaborated with a team to ensure smooth integration and deployment.
- Demonstrated expertise in Python, YOLO v5, and object detection techniques.
- Designed a scalable and reliable web app for real-time object detection.
- Conducted thorough testing and refinement to ensure optimal performance.

Gender Detection Web App using Machine Learning Algorithms   *May 2023 – Present*

- Developed a Gender Detection web app using Machine Learning algorithms.
- Implemented ML pipelines to enhance prediction accuracy.
- Utilized Flask framework for building the web app.
- Deployed the app using Railway.app platform.
- Successfully trained and implemented models for gender detection.
- Incorporated user-friendly interface for ease of use.
- Improved accuracy and efficiency through continuous testing and refinement.
- Demonstrated proficiency in Python, Flask, and Machine Learning techniques.
- Created a robust and scalable web app that accurately predicts gender based on input data.

UBER Cab Pickup analysis   *Dec 2022 – Jan 2023*
- Analysed Uber cab pickup data in New York City to gain insights into patterns and trends.
- Utilized data science techniques to extract meaningful information from the dataset.
- Conducted exploratory data analysis to identify peak hours, popular pickup locations, and customer preferences.

EDUCATION

Madhav Institute of Technology and Science, Gwalior   *2020-2024*
Bachelor of Technology, Artificial Intelligence and Robotics
Cumulative GPA: 3.46/4.0
Core Team Member of Robotics Club and Coding Club

ADDITIONAL

Technical: Python, Postgre SQL, Machine Learning, Scikit-learn, Scikit-Image, OpenCV, MLOps, Numpy, Pandas, Matplotlib, Seaborn, Generative Ai, Flask, Streamlit.
Languages: Fluent in English.
Extra : Participated in Wittyhacks 3.0 organized by Datacode and Major League Hacking (MLH)
Certifications & Training:
- Machine Learning for Earth Sciences by NPTEL
- Image Processing with Python by Datacamp
- Generative AI by Udemy
- Postgre SQL by Datacamp