ABHIN P.T

About me

Traffic Sign Detection Model: Developed a robust traffic sign detection model using the YOLOv5 architecture. This project aimed to enhance road safety by accurately identifying and classifying traffic signs in real-time.

Work experience

- Traffic Sign Detection Model: Developed a robust traffic sign detection model using the YOLOv5 architecture. This project aimed to enhance road safety by accurately identifying and classifying traffic signs in real-time.

- Sign Background Removal Model: Developed a sophisticated Sign Background Removal Model based on the UNet architecture, enabling the automatic extraction of signs from complex backgrounds in images.

- EmptyBin-MAGNATHON: Built a supervised machine learning model, trained using a general Dataset regarding the demand for food, which can predict the quantity of food required for a given set of variables.

- Crop Recommendation Model: A machine learning model to analyze soil parameters and recommend suitable crops. It uses Logistic Regression to predict crops.

- Waste-Management-aided-by-image-analysis: Capacity Monitoring of Waste containers using Image-based data.

- E-Commerce site for Visually impaired people: E-commerce platform for individuals with disabilities that aims to empower them with the choice of services they need using the MERN architecture.

- VIBES-Employee Management App: Flutter-based mobile application comprising both user and admin versions to streamline employee attendance tracking, payroll management, and car information tracking.

- Interactive Website for Sales Data Analysis: Website in Python to Analyze Sales Data using streamlit, the website provided facility to visualize and analyze thousands of sales data.

- Project Allocation System: Software to allocate projects and mentors to students based on their field of expertise and interest using JAVA.

- AI & ML Intern at PixDynamics Infopark, Kochi, India (June 2023): Assisted in data preparation, conducted in-depth research on noise removal from signatures, utilized various technology stacks and libraries including PyTorch, YOLOv5, Probabilistic Diffusion models, Stable Diffusion models, UNET, and GAN models.

- Freelance Flutter Developer at Vibes Communication, Kerala, India (May 2023): Developed a Flutter app to monitor employee information, performed CRUD actions on attendance, salary, and automobile usage. The user-friendly app provides both admin and user versions. Utilized Dart, Git, Flutter, and Google Sheets API.

Educational qualifications

- Present: Integrated Msc Computer Science, AI & DS,

CONTACT

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SKILLS

- Effective communication and teamwork
- Time management and organization
- Adaptability and willingness to learn

EDUCATION
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Cochin University of Science and Technology, India

- 2020: Higher Secondary Education, Science, Government Higher Secondary School Kuttiady, Kerala, India

- 2018: Secondary School Education, Sanskrit High School Vattoli, Kerala, India