



ABHIN P.T

Engineer

About me

I am a passionate AI & ML enthusiast with experience in various technology stacks and libraries, specializing in projects related to computer vision and deep learning. I am also skilled in Flutter development. I am currently pursuing an Integrated MSc in Computer Science with a specialization in AI & Data Science at Cochin University of Science and Technology, India.

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** - 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** - Developed a Flutter app to monitor employee information, performed CRUD actions on attendance, salary, and automobile usage, provided a user-friendly app with admin and user versions. Utilized Dart, Git, Flutter, and Google Sheets API.

CONTACT

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None

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GitHub: abhin2002

SKILLS

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

Educational qualifications

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