MAYUR **ASODARA**

Seeking a role in an innovative organization that values analytical thinking, where I can apply my programming, theoretical, and statistical skills. Enthusiastic about Machine Learning, dedicated to continuous learning, and eager to contribute to the organization's success.

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Portfolio



EDUCATION

B.E in Electronics & Communication

Vishwakarma Government Engineering College 08/2020 - Present **7.00 CGPA**

HSC-GSEB

Axay Highschool 06/2019 - 05/2020 **69% Percent**

SKILLS

- Programming Langauge: Python
- Web Development: HTML, CSS, Flask
- Database: Mysql
- Data Manupulation: Pandas, Numpy
- Machine Learning: Scikit-learn, OpenCV, TensorFlow, PyTorch
- Model Deployment: Streamlit, Gradio, Heroku
- Academics: Digital Signal Processing, Image Processing, Video Processing, IOT
- Soft skills: Analytical Thinking, Problem-Solving, Teamwork

CERTIFICATIONS

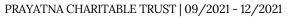
- Crash Course on Python Coursera
- Responsive Web Design freeCodeCamp
- Data Analysis with Python freeCodeCamp

HACKATHONS ②

- Passionate hackathon participant, adept at rapid problem-solving and collaborating in diverse teams. Committed to innovation, creative thinking, and delivering impactful solutions under pressure,
- till now I attended 7 offline & 3 online hackathons
 - o HackSVIT
 - o Hackout'22
 - o HackThisFall 3.0
 - **HackVengers** and few more...

PROFESSIONAL EXPERIENCE

Python Developer Trainee



- Conducted interactive sessions to teach Python and Machine Learning fundamentals to students from 9th to 12th standard as part of the "Building Digital Readiness at Dahod and Narmada" Program.
- Mentored and supported students in designing and implementing AI-ML projects, providing guidance on data collection, preprocessing, model development, and evaluation.

PROJECTS

Annotation Tool Using SAM

Python | SAM | Segmentation | OpenCV | Flask

- Developed a **Flask**-based image annotation tool powered by SAM, supporting multiple mask generation efficient polygon modification.
- SAM's smart recommendations streamline the annotation process, enabling users to create precise polygon annotations effortlessly by clicking on objects of interest.

CLIP All-in-One: Unified NLP & CV Application

Python | OpenAI CLIP | Classification | Clustering

- Developed a versatile application harnessing OpenAI's CLIP model, integrating natural language processing and computer vision tasks.
- Enabled **zero-shot classification** and semantic search across images and text, while facilitating image and text clustering for efficient data organization.

Underwater Trash Detetction

Computer Vision | Segmentation | Object Detection | YOLO

- developed an underwater trash plastic detection project using **YOLOv5 and YOLOv8** by training custom datasets.
- This project includes two models: one based on YOLOv5 (55% mAP) for object detection and another using YOLOv8 (60.3% mAP) for instance segmentation. various underwater trash classes.

US Accidents Analysis

Python | Data Manipulation | Data Visualization | EDA

- This project focuses on **analyzing and visualizing the US road accidents** dataset to gain insights into various aspects of accidents, such as their **frequency**, **severity**, time distribution etc.
- 7 million data points, more than 13500 cities & 49 states coverd in this Analysis