

MAYUR ASODARA

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Ahmedabad, India



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Portfolio



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.

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 Language: Python
- Web Development: HTML, CSS, Flask
- Database: Mysql
- Data Manipulation: 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

- 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
 - HackSVIT
 - Hackout'22
 - HackThisFall 3.0
 - HackVengers
- and few more...

PROFESSIONAL EXPERIENCE

Python Developer Trainee

PRAYATNA CHARITABLE TRUST | 09/2021 - 12/2021

- 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** covered in this Analysis