YASH MENARIA

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EDUCATION

Vellore Institute of Technology **(08/2021 – Ongoing)**
*B.Tech. (CSE in AI & ML) - **CGPA** - **9.03*** *Bhopal, India*

Jawahar Navodaya Vidyalaya **(2021)**
*Intermediate/+2 - **Percentage** - **94.8%*** *Udaipur, India*

Jawahar Navodaya Vidyalaya **(2019)**
*Secondary - **Percentage** - **92.2%*** *Udaipur, India*

SKILLS

- **Programming Languages:** C++, Python, SQL.
- **Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, Yolo.
- **Tools:** CVAT, VS Code, Latex, GitHub.
- **Data Science Skills:** Data Annotation, Data Collection, Data Cleaning, EDA, Feature Engineering, Model Development.

EXPERIENCE

DATATUTE **(03/2024 - 06/2024)**
Computer Vision Intern *Indore, India*

- Interned at DataTute as a Computer Vision Intern, collected more than 15,000 data, annotation, and preprocessing tasks under the Guidance of Computer Vision Engineer.
- Employed annotation on more than 15,000 images using Computer Vision Annotation Tool (CVAT) to label images, ensuring data quality and relevance.
- Applied Normalization, Outliers removal methods and Augmentation on more than 15,000 images to optimize data for model training.

PROJECTS

Car Brand Detection | **Machine Learning, CVAT, YOLO V8** **(03/2024 - 05/2024)**

- Collected a large dataset of **around 10,000 images** of cars from various online websites.
- Annotated a comprehensive dataset using the **Computer Vision Annotation Tool (CVAT)**.
- Trained a **YOLO (You Only Look Once) v8** model using the labeled dataset.
- Acquired a 10% increase in model accuracy and reduced preprocessing time by 5% through the integration of state-of-the-art computer vision techniques, thereby significantly enhancing the reliability of image analysis processes.
- Conducted comprehensive performance evaluations on an AI model, resulting in a 92.4% accuracy in real-world applications.

Wine Quality Prediction | **Machine Learning, Python, Data Preprocessing** **(11/2023 - 12/2023)**

- Developed and fine-tuned, scalable and a logistic regression-based machine learning model achieving an **87% accuracy** rate in predicting wine quality on large dataset.
- Managed data integrity by handling missing values and encoding categorical variables enhancing data quality 12%.
- Conducted experiments with both classification and regression algorithms to identify the most suitable approach Identified and comprehended key factors influencing wine quality through thorough analysis.

Toxic Comment Classifier | **Machine Learning, TensorFlow JS, NLP.** **(9/2023 - 11/2023)**

- Launched an innovative toxic comment classifier that processed and categorized over 10,000 comments into specific types, increasing team efficacy and facilitating quicker resolution of user-generated content issues.
- Tested around **1000 comments** of each type and got **accuracy of 94.8%**.
- Live site here

EXTRACURRICULAR & HOBBIES

- Managed to tackle more than 1000+ problems on LeetCode & GFG.
- Playing Volleyball.
- Coding.

CERTIFICATIONS

- IBM AI Engineering - Coursera
- Applied Machine Learning in Python - Coursera