Vedant Sanjay Tadla

Coursework: Machine Learning ,Deep Learning, Django, Flask, and DBMS.

📞 +91 8600962982 ✉ tadla.vedant@gmail.com 📍 Mumbai 🔗 Linkedin ⭕ Github

Education

B.Tech in Electronics & Telecommunication Engineering ,Honors in Artificial Intelligence & Machine Learning, KJ Somaiya Institute Of Technology.	2020 – 2024 Mumbai, India

Professional Experience

Machine Learning Intern , Mosaic Wellness Private Limited. — 01/2024 – 03/2024, Mumbai
Hair Fall Stages & Skin Disease Classification
- Researched models for classifying hair fall stages using 10K+ images.
- Implemented YOLOv8, ResNet50, and MobileNet with 92-98% accuracy.
- Developed models for classifying skin diseases using 10K+ images.
- Utilized ResNet50, MobileNet, and EfficientNet with high accuracy.

Machine Learning Intern, Mosaic Wellness Private Limited. — 07/2023 – 09/2023, Mumbai
Our Little Joys & Man Matters Product
- Enhanced product adoption by adding user-friendly features.
- Improved audio processing for precise speaker segmentation through team collaboration.
- Developed NLP models with Hugging Face Transformers and created engaging image generation prompts.
- Built CNN image classification models to meet business needs.
- Conducted data analysis and transformation for data-driven decision-making.
- Conducted extensive testing and debugging to enhance customer experience.
- Increased audio call transcription accuracy for better customer satisfaction.

Machine Learning Intern, Vodafone Idea Foundation. — 08/2022 – 10/2022
- Collaborated with a team to create a Health Diagnosis ML App predicting chronic diseases.
- Designed a user-friendly questionnaire for health data collection and analyze data of the diseases.
- Developed the app with Flask for user-friendly interaction.
- Provided thorough project documentation for clarity and maintenance.

Skills

- Programming Languages: Python, C++.
- Data Science &Analysis: NLP, Standard ML Algorithms (Regression, Classification, Clustering), Deep Learning, Computer Vision.
- Data Science Libraries: NumPy, Pandas, Matplotlib, Seaborn, TensorFlow.
- Database: Firebase, SQL.
- Framework: Django, Django REST API ,Flask , React JS.
- Developer Tools: VS Code, GitHub, Google Colab, Jupiter Notebook , MS Office Tools ,Google Spreadsheets.
- Soft Skills: Critical Thinking ,Problem Solving, Team Collaboration

Projects

Virtual Labs
- Designed and developed a **Flask**-powered Machine Learning-based Virtual Lab application tailored to our college's specific needs. This application efficiently integrates **Flask** for **backend** operations and utilizes machine learning algorithms to process information, deliver meticulously analyzed results, and offer an advanced platform for enhancing the learning experience.

Ekyam
- Utilized **Django** to develop a waste segregation application for segregating recyclable and non-recyclable waste, including implementing a monetization model. Conducted detailed analysis of Singapore's waste segregation process and **integrated** functionalities to generate downloadable reports post-analysis for comprehensive waste management insights.

Serve Mumbai
- Developed a robust event creation system leveraging **Flask** for **backend** logic and Firebase for **scalable** data storage. Integrated real-time updates and notification functionalities, ensuring efficient coordination and seamless participant engagement across various organizational events.

Involvement

Chief Technical Officer, IEI-KJ Somaiya Institute of Technology — 06/2023 – present
- Held the role of overseeing the work and management of the technical team, while also configure seamless coordination among team members and organizing bodies to ensure the successful execution of events within the technical festival.

Joint Chief Technical Officer, IETE-KJ Somaiya Institute of Technology — 12/2022 – 06/2023
- In the capacity of a Joint Chief Technical Officer at KJSIT-IETE, my responsibilities encompassed overseeing and management of the technical team, while concurrently facilitating collaborative coordination with fellow team members to guarantee the seamless execution of the college's technical festival.

Awards

IBM Hack Challenge Winner 2022.

Google Startup Bootcamp University Edition Alumni 2022'.(Top 80 out of 1500+ applications across various colleges in India).

Runners Up at Hackanova held at Thakur College of Engineering and Technology.

Awarded with the Prestigious Chanakya UG Research Fellowship at IIIT- Delhi.