# Vedant Sanjay Tadla

*Coursework: Data Analyst,Machine Learning and Deep Learning, Django, Flask, DBMS.*

📞 +91 8600962982  ✉ tadla.vedant@gmail.com  📍 Mumbai  in Linkedin  ○ Github

## Education

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

## Professional Experience

**Machine Learning Intern , Mosaic Wellness Private Limited.**  01/2024 – 03/2024
- Done various research on models for hair fall stages classification and skin disease classification  Mumbai
- Worked on the classification of various hair fall stages using Yolo V8, Resnet50, and Mobile Net [approximately 10000 images].
- The Classification models had the accuracy in the range of 92-98 percent.
- Worked on the Classification of different types of skin diseases using Resnet50, Mobilenet, and EfficientNet [approximately 14000 images]..

**Machine Learning Intern, Mosaic Wellness Private Limited.**  07/2023 – 09/2023
- Worked on Product Adoption of Our Little Joys Application by adding user friendly various features.  Mumbai
- Improved audio processing and ML for precise speaker segmentation by collaborating with an expert team.
- Developed NLP models using Hugging Face Transformers and created engaging image generation prompts..
- Done various testing and debugging of the applications for better customer experience.
- Enhanced audio call transcription accuracy to improve the customer experience.
- Constructed CNN image classification models for product of Man Matters to meet the business needs.
- Conducted data analysis and transformation for data-driven decisions for Man Matters product.

**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(Proficient), Java/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, 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 Machine Learning-based Virtual Lab application tailored to our college's specific needs.
- This application efficiently processes information and delivers meticulously analyzed results, offering an advanced platform for enhancing the learning experience.

**Nidan**
- Developed a health diagnosis application to diagnose chronic and mental health diseases.
- Suggest remedies for a healthy life using various Machine Learning and Deep Learning Techniques.
- Currently working on addition of health card feature and report scanner using NLP, Django framework and firebase.

## 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 Organizing Head, Alcom Comitee KJ Somaiya Institute of Technology**  01/2023 – 12/2023
- Worked as a Joint Organizing Head in the Alumni Committee of KJ Somaiya Institute.
- Responsible to handle the organizing team and also coordinate with other team members for smooth conduct of the program.

**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.**