

Vansh Sadadiwala

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[LinkedIn](#) | [LeetCode](#) | [Portfolio](#)

Technical Skills

- ❖ **Programming Languages:** Python, Java, JavaScript, C
- ❖ **Machine Learning & Data Science:** NumPy, Pandas, Matplotlib, Seaborn, scikit-learn
- ❖ **Deep Learning:** TensorFlow, Keras
- ❖ **Web Development:** HTML, CSS, JavaScript, PHP, Flask
- ❖ **CS Fundamentals:** Data Structures & Algorithms, OOP, DBMS, CN, OS
- ❖ **Tools:** Git, GitHub, Google Colab, VSCode

Education

- ❖ Sarvajanik College of Engineering & Technology, Surat, Gujarat CGPA: 9.86 | (2023 - 2027)
 - B.Tech Computer Engineering + Honors in AI/ML
- ❖ C. C Shah Sarvajanik English High School. Surat, Gujarat 83% | (2021 - 2023)
 - Class XII (GHSEB)

Projects

- IngredientWale – Food Ingredient Recognition System** -[GitHub](#)

Tools: Python, TensorFlow/Keras, Flask, Pandas, HTML, CSS, JavaScript

 - Designed and deployed a deep learning web application using a fine-tuned ResNet50 model to classify food ingredients from images.
 - Built a Flask-based backend integrated with a responsive HTML/CSS/JS frontend to display predictions with confidence scores.
- Dental Implant Classification in Indian Clinical Settings – DL Research (Ongoing)**

Tools: Python, Pandas, scikit-learn, Streamlit, NumPy

 - Worked on training and evaluating **YOLO-based deep learning models** for **dental implant image classification** using Indian clinical datasets.
 - Contributed to **data preprocessing, experimentation, result analysis, and research paper drafting** over a **6+ month duration**.
- Movie Recommender System – Machine Learning Project** -[Website](#)

Tools: Python, Pandas, scikit-learn, Streamlit, NumPy

 - Developed a content-based movie recommender system on the TMDb 5000 dataset, generating personalized recommendations using NLP-based feature extraction and cosine similarity.
 - Used CountVectorizer and Cosine Similarity to compute movie-to-movie similarity.
- Finance AI Advisory Bot – Financial Assistant** -[GitHub](#)

Tools: Python, Flask, Gemini API, Vercel, Pandas, scikit-learn, HTML, CSS, JavaScript

 - Built an AI chatbot providing personalized investment advice with real market data via Gemini API.
 - Features include stock analysis, financial news updates, and educational resources on investments.

Certifications & Achievements:

- Solved 100+ DSA problems on LeetCode (Java), covering arrays, strings, recursion, and Hashing.
- **Devang Mehta IT Award** – Awarded for outstanding academic and technical performance in the 2nd year of B.Tech Computer Eng. curriculum.
- Participated in SIH 2025, NASA SPACE APP Challenge. Also, Pitched in SSIP. (As a Developer)
- Python for Data Science and Machine Learning - **Udemy**

Interests:

- Chess, Cricket, and Movies