

# Vansh Sadadiwala

D-23, Nita Society, Tadwadi, Rander Road, Surat, Gujarat, India – 395009

Email: [sadadiwalav@gmail.com](mailto:sadadiwalav@gmail.com)

Phone: +91 [9662222893](tel:9662222893)

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

## Technical Skills

- ❖ **Languages:** Python, Java (DSA), JavaScript, C
- ❖ **Frameworks/Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- ❖ **Frontend & Database:** HTML, CSS, JavaScript, & MySQL
- ❖ **Computer Science Fundamentals:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems
- ❖ **Developer Tools:** Git, GitHub, Google Colab, VSCode

## Education

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

## Projects

- Movie Recommender System – Machine Learning Project** -[Website](#)  
*Tools: Python, Pandas, scikit-learn, Streamlit, NumPy*
  - Built a content-based recommendation system using the TMDB 5000 Movies dataset. Performed data preprocessing: merging datasets, handling missing values, and parsing JSON-like fields (genres, cast, crew, keywords).
  - Engineered features by combining overview, genres, keywords, cast, and crew into tag vectors.
  - Used CountVectorizer and Cosine Similarity to compute movie-to-movie similarity.
- Finance AI Advisory Bot – AI-Powered Financial Assistant** -[GitHub](#)  
*Tools: Python, Flask, React, Gemini API, Vercel, Pandas, scikit-learn*
  - Built an AI chatbot providing personalized investment advice with real-time market data via Gemini API.
  - Features include **stock analysis**, **financial news updates**, and **educational resources** on investments.
  - Developed a React web interface with Flask backend for seamless AI model interaction.
- Titanic Survival Prediction – Machine Learning Project** -[Github](#)  
*Tools: Python, Pandas, scikit-learn, Jupyter, Matplotlib*
  - Built a classification model to predict passenger survival on the Titanic dataset from Kaggle.
  - Performed data cleaning, feature engineering, and exploratory data analysis (EDA).
  - Trained models like Logistic Regression and Random Forest with 80%+ accuracy.
  - Evaluated model using confusion matrix, accuracy, and cross-validation.

## Certifications & Achievements:

- Got Devang Mehta IT Award for best performance in 2nd year of curriculum.
- Participated in SIH 2025, NASA SPACE APP Challenge. Also, Pitched in SSIP.
- Python for Data Science and Machine Learning - **Udemy**

## Hobbies

- Playing Cricket, Chess, Carrom.