

Shrijay Mankar

Aspiring Data Science & Machine Learning Engineer

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Profile

Data Science & Machine Learning student with hands-on experience building ML-powered applications, including fraud detection, recommendation systems, and AI-driven fitness assistants. Skilled in Python, ML algorithms, data preprocessing, model evaluation, and deploying interactive apps using Streamlit, Next.js, and React. Strong foundation in DS/ML concepts and committed to developing scalable, real-world data solutions.

- Projects
- AI Fitness Trainer

Using Next.js, React, Gemini API, Vapi, Convex, Clerk

07/2025 – 08/2025

 - Built an AI fitness assistant that generates personalized workout & diet plans using Gemini AI
 - Integrated Vapi voice interaction for real-time conversational guidance.
 - Implemented secure login with Clerk and stored user profiles/history in Convex DB.
 - Designed and deployed a responsive UI optimized for mobile and desktop users.

- Fraud Detection Web App

Using Python, Streamlit, scikit-learn, XGBoost

02/2025 – 03/2025



 - Developed a Streamlit dashboard to classify real-time transactions as fraudulent or genuine.
 - Trained Logistic Regression, Random Forest & XGBoost models on structured transaction data.
 - Performed preprocessing (encoding, scaling, feature engineering) to improve model accuracy.
 - Evaluated models using precision, recall & ROC-AUC and deployed the best performer.

- Movie Recommendation System

Using Python, NLP, Streamlit/Flask

01/2025 – 02/2025

 - Built a content-based recommender using TF-IDF & cosine similarity on movie metadata.
 - Processed and cleaned dataset of movie descriptions for better similarity scoring.
 - Created a web interface to deliver top-N movie recommendations instantly.
 - Experimented with collaborative filtering to improve personalization.

- Certificates
- AI ML Virtual Internship 
 - Data Analytics 
 - Gen AI 
 - Data Science 
 - Machine Learning 
 - Python 

- Skills
- Programming

Python, JavaScript, SQL. Java
- ML & Data

scikit-learn, XGBoost, pandas, NumPy, TF-IDF, cosine similarity, feature engineering, model evaluation (accuracy, precision, recall)
- Web & Tools

Streamlit, Flask, React, Next.js, Tailwind CSS, Shadcn UI, Git, GitHub, Jupyter Notebook
- Databases:

Convex DB, SQL basics
- Concepts

Machine Learning, NLP fundamentals, Data Structures & Algorithms, OOP

Education

Bachelor of Engineering (B.E.) – Computer Engineering

Savitribai Phule Pune University, NMIET Pune

08/2023 – Present | Pune

Relevant Coursework: Data Science, Machine Learning, Data Structures, Algorithms, DBMS, OS, CN

- Interests
- Tech-Focused
 - Analytical + Problem-Solving Hobbies
 - Creative + Project-Oriented Hobbies
 - Leadership + Discipline
 - Modern & Attractive Personal Interests