

Shrijay Mankar

Aspiring Data Science & Machine Learning Engineer

 shrimankar16102004@gmail.com  9130749689  Pune, Maharashtra

 <https://portfolioweb-drab-eta.vercel.app/>  <https://www.linkedin.com/in/shrijay-mankar-4a1b51258/>

 github.com/shrimankar16

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, NMET 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