Sameer Prajapati

ML Engineer Intern | Data Science Enthusiast

Gandhinagar, Gujarat, India | +919879581036 | sameerprajapati0904@gmail.com

LinkedIn | GitHub | sameer-0904.github.io

Professional Summary

3rd-year Computer Engineering student (VGEC, 2027) skilled in Python, scikit-learn, PyTorch, and TensorFlow. Independently built and deployed 2 ML web apps — a diabetes risk predictor (**95% accuracy**, 768 records) and a movie recommendation engine (**5,000+ titles**, <1s response) — demonstrating end-to-end ownership from data pipeline to production. Completed analytics simulations with Deloitte and HP. Seeking an ML Engineer Internship to contribute to real-world data-driven products.

Virtual Experience

Data Analytics Consultant Simulation *Deloitte | Forage | July 2025*

- Led analysis of **3 real-world business datasets**, identifying key trends and delivering structured, client-facing recommendations.
- Designed and presented **2 KPI dashboards**, translating raw data into clear visual narratives for non-technical stakeholders.
- Demonstrated consulting-style workflow: scoped problem, cleaned data, and delivered findings within a defined timeline.

Data Science & Analysis Program *HP LIFE | June 2025*

- Independently implemented and compared **3 supervised ML models** (linear regression, decision trees, k-NN), selecting best performer based on F1-score and accuracy metrics.
- Completed end-to-end ML exercises — data preprocessing, model training, and cross-validation — across multiple algorithm types.

Projects

Diabetes Prediction System *Python | SVM | Scikit-learn | Streamlit*

Live Demo → Diabetes Prediction System

- Trained SVM classifier on **768 patient records** achieving **95% test accuracy** — a **6pp improvement** over logistic regression baseline.
- Built full data pipeline (null handling, StandardScaler, 80/20 split), eliminating 3 manual preprocessing steps.
- Deployed real-time Streamlit web app with instant risk prediction, publicly accessible with zero setup for end users.

Movie Recommendation System *Python | NLP | Cosine Similarity | Streamlit*

Live Demo → Movie Recommendation System

- Built content-based filtering engine across **5,000+ movies** using TF-IDF and cosine similarity, returning top-5 results in **under 1 second**.
- Vectorized **4-field metadata** (genre, cast, director, keywords) via NLP, increasing recommendation relevance over single-tag matching.
- Validated output quality across **20+ manual test cases** before shipping to production deployment.

Education

Bachelor of Engineering — Computer Engineering *Expected May 2027*

Vishwakarma Government Engineering College (VGEC), Gandhinagar, Gujarat, India

Relevant Coursework: Machine Learning, Data Structures & Algorithms, Database Management, Statistics & Probability, Object-Oriented Programming

Technical Skills

Programming	Python (Proficient), SQL (Proficient)
ML / DL Libraries	Scikit-learn, XGBoost, PyTorch, TensorFlow, Hugging Face Transformers
ML Techniques	Supervised Learning, SVM, Feature Engineering, NLP, TF-IDF, Cosine Similarity, Predictive Modeling, Model Evaluation
Data & Visualization	Pandas, NumPy, Matplotlib, Seaborn, Microsoft Power BI
Deployment & Tools	Streamlit, Git, GitHub, Jupyter Notebook
Databases	MySQL, Microsoft SQL Server
Soft Skills	Team Collaboration, Analytical Thinking, Problem Solving, Fast Learner, Clear Communication

Interests

Deep Learning Architectures · Transformer Models · Open-Source ML · Data Visualization · Competitive Programming