HARSH TATMUTE

Data Analyst — Data Science — Machine Learning

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Summary

Data Science Undergraduate (2026) — Machine Learning — End-to-End ML Deployment Results-driven Data Science student with hands-on experience building and deploying ML applications using Python, SQL, Scikit-learn, and Streamlit. Developed 3+ end-to-end projects including NLP-based Resume Matcher and Recommendation Systems. Experienced in data preprocessing, feature engineering, model evaluation, and dashboard development. Currently working as a Data Analyst Intern delivering business insights using SQL and Power BI.

Competencies

- Proficient in Python, SQL, Power BI, and Machine Learning.
- Strong in data analysis, visualization, and end-to-end ML project development.

Achievements

- **IEEE Computer Society – Event Lead:** Led and organized multiple tech events, recognized for coordination and leadership.
- **Startup Spectrum Presentation:** Secured 3rd Prize for presenting innovative startup ideas.
- **Smart India Hackathon 2025 – (Team Participant) :** Selected among top teams to advance to Round 2.

Internship

Astradev   *Data Analyst Intern (Ongoing)*

- Working on data cleaning, analysis, and visualization to support business insights.
- Assisting in building dashboards and reports using SQL, Python, and BI tools.

Sunbeam Infotech, Pune   *Machine Learning Intern*

- Built a **Used Car Price Prediction** model involving preprocessing, model training, and evaluation.
- Applied ML algorithms to solve real-world business problems efficiently.

Certifications

- Machine Learning Specialization – Sunbeam Infotech
- AWS Academy Cloud Foundations – Amazon Web Services
- Generative AI Certification – Simplilearn
- Power BI Certification – Microsoft (Simplilearn)

Education

Bachelor of Technology (B.Tech) in Computer Science & Engineering Shivaji University, Kolhapur CGPA: 7.14 / 10	2022 – 2026
Higher Secondary Certificate (HSC) Shivaji University, Kolhapur Percentage: 75%	2020 – 2022
Secondary School Certificate (SSC) Shivaji University, Kolhapur Percentage: 87.20%	2019 – 2020

Skills

Programming	Python (Pandas, NumPy), SQL, C
Data Analysis	EDA, Data Cleaning, Data Modelling, Statistical Analysis, Reports generation
Machine Learning	Regression, Classification, Clustering, Feature Engineering, Model Evaluation
NLP	TF-IDF, Cosine Similarity, Text Preprocessing
Data Visualization	Power BI, Advance DAX, Advanced Excel
Deployment	Streamlit, FastAPI, Docker, Development
Databases	MySQL, PostgreSQL
Tools	Jupyter Notebook, VS Code, Linux

Projects

Movie Recommendation System / *Python, Pandas, Scikit-learn, TF-IDF, Cosine Similarity, Streamlit*
GitHub

– Developed a content-based recommendation system using TF-IDF vectorization and cosine similarity on a dataset of 5,000+ movies.
– Performed data preprocessing, feature extraction, and similarity scoring to improve recommendation relevance by 30% compared to baseline filtering.
– Deployed a real-time interactive Streamlit web application for personalized movie recommendations.

Bank Loan Analytics Dashboard / *Power BI, SQL, Data Modeling, DAX*
GitHub / Live Dashboard

– Designed a multi-page Power BI dashboard analyzing 38,000+ loan records to evaluate funding trends, repayment performance, and default risk.
– Built data models and DAX-based KPIs to track approval rate, funded amount, bad loan ratio, and borrower demographics.
– Enabled data-driven lending insights by segmenting good vs bad loans and identifying high-risk customer profiles.

AI Resume Matcher / Job Fit Analyzer / *Python, NLP, Scikit-learn, TF-IDF, Cosine Similarity, Streamlit*
GitHub

– Developed an NLP-based resume-job matching system using TF-IDF vectorization and cosine similarity to compute semantic similarity scores.
– Implemented automated skill gap analysis to identify matched and missing skills from job descriptions.
– Built and deployed a real-time Streamlit web application to evaluate resumes with dynamic similarity scoring.