SANJAY SHARMA

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Education

M.Sc. Data Science
PTVA's Sathaye College
2025 – Present

B.Sc. Data Science
DTSS College of Commerce
2022 – 2025 CGPA:
8.03 / 10

Technical Skills

Programming
Python, R, SQL

Data Analysis
Pandas, NumPy, Excel

Visualization
Matplotlib, Power BI, Tableau

Machine Learning
Regression, Classification
Clustering, TF-IDF

Web & Tools
Streamlit, Git, GitHub
VS Code, PyCharm, Jupyter, Colab

Soft Skills

Analytical Thinking
Problem Solving
Attention to Detail
Communication
Time Management Continuous Learning

Knowledge Preview

Statistics & Probability
Data Cleaning & EDA
Feature Engineering
Model Evaluation Metrics API Integration
Data Visualization Principles

Professional Summary

Detail-oriented Data Science graduate student with strong foundations in statistics, machine learning, and data visualization. Experienced in developing end-to-end data solutions and cybersecurity-focused analytical tools. Passionate about applying data-driven techniques to real-world security challenges.

Internship Experience

Cybersecurity Research Intern *RedKross Research Foundation Cybersecurity Domain*

- Conducted hands-on cybersecurity research focused on threat analysis and core security fundamentals.
- Analyzed real-world cyber threat data, including malicious URLs and attack indicators, to identify patterns, vulnerabilities, and security risks.

Projects

Cyber Threat Detection Suite *Python, Threat Intelligence, Data Processing* — GitHub

- Developed a cyber threat intelligence system for analyzing malicious URLs and YARA rules.
- Built data pipelines to clean threat feeds and generate actionable security insights.

Spotify Real-Time Recommendation System *Python, Streamlit, Spotify Web API* — GitHub

- Developed a real-time music recommendation application integrating Spotify Web API.
- Implemented content-based filtering using audio features for personalized recommendations.

IPL Data Analysis Dashboard (2008–2019) *Python, Pandas, Matplotlib, Streamlit* — GitHub

- Analyzed historical IPL datasets to uncover team and player performance trends.
- Built interactive dashboards for data-driven insights.

Movie Recommendation System *Python, Scikit-learn, Streamlit* — GitHub

- Built a content-based movie recommendation system using Python and Scikit-learn, leveraging TF-IDF and cosine similarity.
- Developed an interactive Streamlit web app to display recommendations and deployed the project on GitHub.

Used Cars Price Prediction System *Python, Scikit-learn, Streamlit* — GitHub

- Built a used car price prediction system using Python and Scikit-learn, applying EDA, feature engineering, and regression models.
- Developed an interactive Streamlit application to visualize data insights and predict car prices; published the project on GitHub.