

Priya Sharma

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Portfolio: priyasharma.dev (if any)

Objective

Analytical and results-driven Data Scientist with 2+ years of experience in building machine learning models, data wrangling, and statistical analysis. Seeking to leverage data storytelling and predictive modeling skills to solve business challenges at a forward-thinking organization.

Education

Bachelor of Technology in Computer Science Indian Institute of Technology, Delhi
2016 – 2020 | CGPA: 8.6/10

Professional Experience

Data Scientist

Tata Consultancy Services (TCS) | Bengaluru, India

Aug 2021 – Present

- Built and deployed a predictive model for customer churn that improved retention by 21%.
- Developed ETL pipelines using Python and Airflow, reducing data latency by 35%.
- Created dashboards with Tableau and Power BI for marketing and operations insights.
- Collaborated with cross-functional teams to translate business problems into data science solutions.

Data Analyst Intern

Fractal Analytics | Mumbai, India

Jan 2020 – Jun 2020

- Cleaned and analyzed 10M+ rows of sales data to identify trends and outliers.
- Implemented clustering algorithms to segment customers for targeted campaigns.
- Automated monthly reporting, reducing manual work by 40%.



Projects

1. Movie Recommendation System

- Built a collaborative filtering-based movie recommender using the MovieLens dataset.
- Used cosine similarity, matrix factorization, and deployed via Flask.

2. Sentiment Analysis on Twitter Data

- Collected tweets using Tweepy and performed sentiment classification using BERT.

- Achieved 89% F1-score on validation data.

3. Credit Risk Prediction Model

- Used Random Forest and XGBoost to predict loan defaults using Lending Club data.
- Handled class imbalance using SMOTE and optimized model via GridSearchCV.

Skills

Languages: Python, R, SQL, Java

Libraries & Tools: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, NLTK

Databases: MySQL, MongoDB

Data Visualization: Tableau, Power BI, Plotly

Other Tools: Git, Docker, AWS (S3, EC2), Jupyter, VSCode

Certifications

- **IBM Data Science Professional Certificate** – Coursera
- **Machine Learning Specialization** – Andrew Ng, Stanford University

Soft Skills

- Strong problem-solving and critical thinking
- Excellent communication and collaboration
- Adaptability and continuous learning mindset