ADITI SHARMA

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Applied For: **Data Science**

OBJECTIVE

Analytically driven professional skilled in SQL, Python, and applied machine learning, with experience developing data products, dashboards, and predictive models. Strong foundation in data science with exposure to deep learning through practical projects in text analytics and business modeling. Excited to contribute data-driven insights and support strategic decision-making at Virtusa.

EDUCATION

- National Institute of Technology, Jamshedpur
  B.Tech (Hons) in Metallurgical and Materials Engineering
  Minor in Computer Science and Engineering
  CGPA: 8.60 / 10   Duration: 2022 – 2026

- Gulmohur High School, Jamshedpur
  Class XII – ISC Board   Percentage: 90%   Year: 2022
  Class X – ICSE Board   Percentage: 98%   Year: 2020

PROJECTS

Customer Churn & Retention Modeling — SQL + Power BI + ML
Tools: SQL, Power BI, Python (pandas, scikit-learn)
- Queried and structured customer activity data to build retention and churn cohorts.
- Developed predictive classification models to identify churn drivers; benchmarked tree-based vs logistic regression models.
- Built interactive Power BI dashboards (7/30-day retention, LTV by segment) enabling KPI-driven stakeholder decisions.
- Proposed targeted engagement levers (e.g., referral loops, seller segmentation) supported by root-cause insights.

Hogwarts Unlocked — SQL + Streamlit Data Product
Tools: SQL (MySQL), Streamlit
- Designed normalized relational schema (7 linked tables, 100+ records) ensuring referential integrity.
- Wrote 30+ analytical SQL queries to extract insights on entity relationships, event participation, and spell usage.
- Built an interactive Streamlit dashboard for query visualization and storytelling, enabling user-friendly data exploration.
- Demonstrated strong SQL modeling, query optimization, and dashboard integration skills.

NLP Text Classification (Sentiment Analysis)
Tools: Python (pandas, scikit-learn, TensorFlow, matplotlib)

- Collected and preprocessed review/news datasets (cleaning, tokenization, embeddings).
- Built baseline models using TF-IDF + logistic regression and advanced models using RNN/LSTM architectures.
- Compared performance across classical ML and deep learning approaches; explained feature importances and error cases.
- Delivered actionable insights on sentiment patterns, showcasing ability to apply DL to real-world text data.

SKILLS

Programming & Data Handling: Python (pandas, NumPy), SQL
Analytics & Visualization: Excel, Power BI, matplotlib, seaborn
Machine Learning & Libraries: Scikit-learn (classification, regression, clustering), basic Keras (neural networks, NLP)
Other: Data Cleaning, EDA, Business Problem Solving
Soft Skills: Analytical Thinking, Problem-Solving, Data-Driven Decision Making, Effective Communication, Attention to Detail

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EXTRACURRICULARS

- Joint Secretary, Technica 2025 (MME Fest, NIT Jamshedpur) – Led full-cycle event planning, team formation, permissions, on-ground execution, and post-event closure
- Head Girl, Gulmohur High School (2021–22) – Organized and led school-wide initiatives including the flagship annual fest Gulotsav
- Anchored and coordinated formal proceedings across multiple events at NIT Jamshedpur
- Represented NIT Jamshedpur in Inter-NIT Basketball (2023–24) and MME Department in Urja (annual college sports fest)