AVIRAL KUMAR MISHRA



MBA (Business Analytics) • Lovely Professional University
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PROFESSIONAL SUMMARY

Motivated and analytical MBA (Business Analytics) student with a strong academic foundation in Statistics and a Bachelor's degree in Science. Passionate about data analysis, business intelligence, and solving real-world business problems through data-driven decision-making. Strong communication, critical thinking, and problem-solving skills, eager to contribute to organizational growth while continuously learning and developing professionally.

EDUCATION

MBA (Business Analytics) | *Lovely Professional University* — **Expected 2028**
Bachelor of Science | *University of Allahabad* — **2025**
Intermediate (Class XII) | *Kendriya Vidyalaya* — **2022**
High School (Class X) | *Kendriya Vidyalaya* — **2020**

PROJECTS

TCS Stock Trend Analysis
github.com/aviralmishra05/tcs-stock-trend-analysis

Tools: *Python, Pandas, NumPy, Matplotlib, Scikit-learn, yfinance*

- Analyzed approximately one year of TCS historical stock data using Python and Pandas to examine price trends and daily and monthly returns.
- Calculated 50-day and 200-day Simple Moving Averages (SMA) and developed visualizations to identify historical price trends and fluctuations.
- Applied Linear Regression to model the historical price trend, achieving an in-sample R^2 of 0.707; evaluated model fit using MAE (₹170.13) and RMSE (₹199.31).
- Presented analytical findings through four visualizations and documented the methodology and limitations in a public GitHub repository.

Customer Churn Analysis Using Python
github.com/aviralmishra05/customer-churn-analysis

Tools: *Python, Pandas, Matplotlib, Exploratory Data Analysis*

- Analyzed 7,043 customer records from the IBM Telco Customer Churn dataset to identify patterns associated with customer attrition.
- Performed data cleaning, data type conversion, missing-value checks, and exploratory data analysis (EDA) using Python and Pandas.
- Created visualizations to analyze churn across contract types, customer tenure, monthly charges, internet services, and payment methods.
- Identified a 42.71% churn rate among month-to-month customers and a 45.29% churn rate among electronic-check users, developing data-driven recommendations for customer retention.

Academic Research Project: Review on Theoretical Concept of Time in Physics
2024–2025

B.Sc. Physics | *University of Allahabad*

- Reviewed the evolution of the concept of time from Newtonian classical mechanics to Einstein's theories of relativity.
- Studied time dilation, spacetime, and the relationship between motion, gravity, and the measurement of time.
- Explored theoretical perspectives on time in quantum mechanics, thermodynamics, and cosmology, including the arrow of time and entropy.
- Synthesized concepts from academic literature and scientific references to develop a multidisciplinary understanding of time in modern physics.

SKILLS

Technical: Python (Pandas, NumPy, Matplotlib, Scikit-learn), Advanced Excel, Power BI, Statistics, EDA
Professional: Communication & Presentation, Leadership, Adaptability, Problem Solving, Critical Thinking

TRAINING & CERTIFICATIONS

Python • Advanced Excel • Power BI • CCC (Course on Computer Concepts)

INTERESTS

Creative expression • Listening to and singing Indian music