

SANSKRITI RATHAUR

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Portfolio

linkedin

github

Technical Skills

Languages: Python, SQL, HTML/CSS, DAX , JAVA

Developer Tools: Git, GitHub, Jupyter Notebook, Power BI, SQL Server, PostgreSQL, MS Excel

Technologies/Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, MongoDB, AWS

Techniques: Machine Learning, A/B Testing, Statistical methods, ETL ,EDA

Experience

Celebal technology

May 2024 – August 2024

Data Science Intern

- Implemented customer segmentation using clustering and feature engineering on online retail data, boosting marketing precision and targeting efficiency by 95%.
- Engineered a sophisticated recommendation algorithm with ML models in Python that resulted in a notable 15% growth in average order values, positively impacting customer purchasing behavior and satisfaction rates.
- Boosted decision-making and business performance by 90% using Python for statistical analysis, demand forecasting, and predictive modeling.

Projects

Airline SQL Analytics | SQL,Python,Power Bi,DAX

GitHub

- Optimized 20+ SQL queries using advanced SQL techniques, boosting airport operations efficiency by 15% and reducing processing time.
- Enhanced data extraction, transformation, and reporting processes using Python and ETL tools, achieving a 30% increase in processing speed.
- Search over 50,000 airport records using SQL and data visualization tools like Power Bi, identifying trends and streamlining operations for improved efficiency.

Business Revenue Dashboard | Advance Excel, Pivot table

GitHub

- Examine over 10,000 sales records using Excel, identifying a 65% contribution from women and 50% from adults (30-49 years).
- Delivered 5+ data-driven recommendations by leveraging insights from Excel dashboards to improve business strategies.
- Built an interactive Pivot table dashboard, reducing analysis time by 40% and enhancing data accessibility for decision-making .

Time Series Forecasting for Stock Market Trends | Time Series Analysis,Python,Statistical Modeling

GitHub

- Developed a time series analysis model using Python, Pandas, and Statsmodels to analyze stock market trends and detect seasonality.
- Implemented the Augmented Dickey-Fuller (ADF) test to assess stationarity, applied differencing techniques, and smoothed data using moving averages.
- Generated insightful visualizations with Seaborn and Matplotlib to highlight stock price fluctuations, aiding in trend forecasting and decision-making.

Leadership / Extracurricular

Code Saga Participant

- Engaged in over 30 competitive programming challenges during Code Saga, refining strategies to tackle complex coding problems and achieving a top-50 finish among participants while enhancing algorithmic skills.

Event Coordinator

- Successfully organized and managed technical events during the annual college fest, ensuring the participation of more than 100 students and achieving a satisfaction rate 95% among the attendees.

GSSoC'24 Participant

- Contributed to data analytics projects during GSSoC'24 , enhancing data-driven solutions and gaining hands-on experience in analyzing complex datasets.

Education

Allenhouse Institute of Technology affiliated with A.K.T.U

Oct 2021– July 2025

Bachelor of Technology in Computer Science and Engineering; CGPA: 7.7

Kanpur, Uttar Pradesh

Relevant Coursework

Data Analytics

Link