Rajeev Tripathi

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Profile

- Insight-driven Data Analyst with 3+ years of experience applying statistical modeling and visualization techniques to uncover business trends, optimize performance, and guide strategic decisions across different domains.
- Proficient in **Python, SQL, and Power BI** for data analysis and insight generation, with experience using **Snowflake and Azure** to build scalable analytical workflows that support data-driven decisions and improve business performance.

Experience

Data Analyst Intern | Lightship Foundation, Cincinnati, OH May 2025 – Present

- Designed analytical datasets in **Snowflake** using **SQL** to integrate data from multiple sources for KPI reporting.
- Created data validation scripts in **SQL** and **Python** to ensure consistency, completeness, and accuracy across data layers.

Data Analyst | University of Cincinnati, Cincinnati, OH August 2024 – May 2025

- Performed **EDA** to detect error occurrence patterns and device feature correlations influencing ticket volume.
- Collected and cleansed large-scale customer and ticket datasets using **PySpark** to prepare for analysis.
- **Built Power BI dashboards** to track ticket volume, error types, and streaming issues in real-time, delivering actionable insights to senior management that contributed to a **19% reduction in support tickets**.

Business Intelligence Developer | COGNIZANT, Delhi, India June 2021 – July 2024

Client: Global Security Operations Center

- Designed and deployed **ETL pipelines in Azure Data Factory** to integrate and transform data from multiple on-prem and external sources, improving overall data load performance by **34%**.
- Automated ingestion workflows using ADF pipelines, enabling incremental loads and reducing manual intervention.
- Implemented robust data quality checks and logging mechanisms in ADF to monitor pipeline health and performance.
- **Designed Power BI dashboards** to monitor attack and phishing incidents across 170+ member firms.
- Implemented **Row-Level Security (RLS) in Power BI dashboards** to restrict data visibility based on region and country.
- Collaborated with business stakeholders to define key metrics, ensuring analytics outputs aligned with requirements.

Client: SBI (General Electric)

- Implemented the ETL process in Alteryx reducing data extraction processing time by **22%**.
- Optimized SQL queries and database structures to improve performance across high-volume transactional tables.

Skills And Certifications

Tools: Power BI (DAX, Power Query), SQL (CTEs, Window Functions, Query Optimization), Python (Pandas, NumPy, Scikit-learn), PySpark, R, Snowflake, Alteryx, Streamlit, Advanced Excel (Power Pivot, VBA), MongoDB, Tableau

Analytics & Machine Learning: Time series Analysis, Forecasting, Clustering, A/B Testing, Data Modeling, Data Visualization

Certifications: Power BI Data Analyst (Microsoft), Data Analytics (Google), Azure Data Fundamentals (Microsoft)

Projects

Multiple Disease Prediction System | *Python, Streamlit, Scikit-learn, NumPy, Pandas, Pickle* (Link)

- Developed predictive machine learning models achieving 88%+ accuracy and deployed a Streamlit-based application with CI/CD pipelines to automate model updates and releases..

AI-Powered Multi-Agent Research Assistant | *Python, Langflow, AstraDB, Git, Streamlit, RAG* (Link)

- Built a multi-agent LLM app that ingests health data, runs a RAG pipeline, and answers real-time research queries.
- Implemented "Ask AI" functionality with agent routing through LangFlow and real-time data retrieval using Astra DB.

Data Wrangling: Data-Driven Growth Opportunity Analysis | *R, SQL, Tableau, Business Intelligence* (Link)

- Developed predictive machine learning models to identify diabetes, heart disease, and Parkinson's disease with over 88% accuracy via data preprocessing and deployed the app on Streamlit, ensuring CI/CD automation.

Education

University of Cincinnati, Carl H. Lindner College of Business | (GPA: 3.95/4) Cincinnati, Ohio

Master of Science, Business Analytics and Data Science *August 2024 – December 2025*

- **Relevant Courses:** Data Management, Predictive Analytics, Data Modeling, Data Mining, Intelligent Data Analysis
- **Scholarships:** Lindner College of Business International Outreach (2024), UC Global Welcome Scholarship award (2024)