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 **SQL, Python, and Power BI** for data analysis, and insight generation with experience using **Azure and Snowflake** to build scalable analytical workflows that support data-driven decisions and improve business performance.

WORK EXPERIENCE

Data Analyst Intern | Lightship Foundation, Cincinnati, OH   *May 2025 - Present*
- Designed analytical datasets in Snowflake by integrating data from multiple systems using SQL to support KPI reporting.
- Created data validation scripts in SQL and Python to ensure consistency, completeness, and accuracy across data layers.
- **Achieved 82% reduction** in manual investor outreach and reporting by automating performance calculations and personalized report generation using Python and custom GPT models.

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 and Microsoft Fabric to prepare for analysis.
- Designed Power BI dashboards to track ticket volume, error types, and streaming issues in real-time and provided recommendations to senior management, enabling data-driven strategic decisions that reduced support tickets by **19%**.

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, achieving in a **35%** acceleration in overall data loading
- 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 attacks and phishing events across 170+ firms enabling faster decision-making.
- 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 with a **20%** reduction in processing time for extracting data.
- Optimized SQL queries and data structures to enhance performance, boost accuracy and consistency 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, Power Automate, Advanced Excel (Power Pivot, VBA), Tableau
Analytics & Modeling: Forecasting, Clustering, A/B Testing, Data Modeling, Data Visualization, Time series Analysis
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 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.

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*](#))
- Applied SQL and R on 10 million+ grocery chain records for insights into purchasing behavior, product relationships, and demographics. Identified a 27% revenue growth in underperforming segments, a potential gain of $106K.

EDUCATION

University of Cincinnati, Carl H. Lindner College of Business | (*GPA: 3.95/4*)   Cincinnati, Ohio
Master of Science, Data Science and Business Analytics   *August 2024 - August 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)