

# RAJEEV TRIPATHI

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## WORK EXPERIENCE

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

- Improved investor data quality by integrating Limited Partner (LP) data from Excel and Nasdaq eVestment into Snowflake, used SQL for deduplication, cleaning, and standardization, creating one reliable dataset.
- Streamlined investor outreach and reporting by 22%** through automated data collection, KPI tracking, and personalized report generation using Python and custom GPT models.
- Enhanced LP engagement analysis and fund performance tracking using Power BI to calculate quarterly growth trends.

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

- Achieved 90% reduction** in manual efforts by building an ETL pipeline using SQL and PySpark in Microsoft Fabric to process error logs and customer data, ensuring data quality.
- Designed real-time Power BI dashboards to visualize KPIs on login failures, ticket status, and peak streaming errors, leading to higher customer satisfaction and improved service quality.

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

*Client: Global Security Operations Center*

- Accelerated incident response across **170+** global member firms by developing Power BI dashboards, enabling faster decision-making to mitigate cyberattacks, malware, and phishing events.
- Improved data loading performance by 11%** through developing 5+ ETL pipelines in Azure Data Factory to extract and paginate data from APIs, SharePoint, Blob Storage, and on-prem sources.
- Performed **statistical analysis using R** on Intune and SecOps data to identify high-risk devices and compliance status.
- Enhanced data governance by implementing row-level security with region/country mappings in Power BI, ensuring secure access to sensitive reports for each member firm.

*Client: SBI (General Electric)*

- Achieved **20% reduction** in SQL query runtime by analyzing execution plans in Oracle Enterprise Manager and implementing targeted indexes and optimizer hints.
- Built a real-time Power BI dashboard that uncovered top rejection causes and onboarding inefficiencies, saved **~\$1.16 million** annually, and improved application turnaround time by **15%**.

## SKILLS AND CERTIFICATIONS

**Programming Languages:** SQL (MS SQL, PostgreSQL), Python (Pandas, NumPy & Scikit-learn), R, PySpark

**BI and Visualization:** Power BI (DAX), Tableau, Advanced Excel (Power Pivot, Power Query, VBA)

**Tools:** Azure, SSIS, JIRA, PowerPoint, Streamlit, Postman, AppDynamics, Databricks, Microsoft Tool Suite, Informatica

**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. Reported 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)

**KIET Group of Institutions | (GPA: 3.7/4)** Delhi, India

*Bachelor of Technology, Computer Science* July 2017 - August 2021