

PROFESSIONAL SUMMARY

Results-driven Data Analyst with expertise in **ETL pipeline development, data warehousing, and business intelligence** across industries such as **healthcare and communications**. Proficient in **SQL, Python, R, and cloud platforms (Azure, AWS)** to design scalable data solutions. Adept at leveraging **Tableau and Power BI** to develop interactive dashboards that drive data-driven decision-making. Skilled in **big data processing with PySpark, Databricks, and Snowflake**, optimizing query performance and ensuring seamless data integration. Passionate about automating workflows, enhancing data quality, and delivering actionable insights to support business objectives.

EDUCATION

**Master of Science in Information Technology, University of Cincinnati** **August 2023 – December 2024**

- **Coursework:** Grad topics in IT (Azure)Data visualization and reporting, Database Management & SQL for Analytics, Advanced Excel and spreadsheet analytics, statistical Analysis & Data Mining.
- **GPA:** 4.0/4.0

SKILLS

Programming Languages	Python, SQL, R, C, C++, Java, R, PL/SQL, HTML/CSS, XML, PySpark.
Tools & Libraries	Tableau, Power BI, Excel, Matplotlib, Seaborn NumPy, Pandas, Spring Boot, Hadoop, Spark.
Cloud Technologies & DB	Azure, AWS, Docker, MySQL, PostgreSQL, Mongo DB, Microsoft SQL Server.
Relevant Courses	Data Structures, Algorithms, Operating Systems, Distributed Systems, Data Security, Software Engineering, Data Modelling, Data Visualization, Data Cleaning, Data Manipulation, Statistical Analysis.

WORK EXPERIENCE

**Commonwealth of Pennsylvania** **April 2024 - Present**  
*Tableau developer* *Mechanicsburg, PA*

- **Developed and maintained 10+ interactive dashboards** using Tableau to visualize complex public health data, enabling healthcare organizations to monitor trends like disease outbreaks. Utilized **Python, SQL, and R** for data cleaning, analysis, and integration from multiple healthcare data sources and applied **parallel processing** in Python to optimize data handling and accelerate ETL workflows, improving data processing speed by 25%.
- **Leveraged advanced data analysis techniques** with **Python, NumPy, Pandas, and Matplotlib** to perform trend analysis on public health metrics, providing actionable insights on the impact of health policies. Generated automated reports from Tableau dashboards in **HTML, PDF, and Excel** formats, enhancing accessibility and presentation of health insights to stakeholders and Enhanced performance by optimizing SQL queries, reducing run-time by 20%, and ensuring quick data retrieval for visualization.

**Grand Dad Communications Pvt Ltd.** **June 2021 - July 2023**  
*Data Analyst* *Hyderabad, IN*

- Developed interactive, visually appealing dashboards and reports using **Tableau** and **Power BI**, while leveraging **Matplotlib, Seaborn, and Plotly** in **Python** for custom visualizations. This integration of tools streamlined the reporting process, resulting in a 40% reduction in report generation time and improved data accessibility for stakeholders.
- **Utilized advanced Excel functions** (pivot tables, VLOOKUP, macros) to clean, manipulate, and analyze data, creating reports that inform marketing strategy decisions.
- **Collaborated with cross-functional teams** to understand business needs, define key metrics, and deliver data-driven insights that influence product, marketing, and operational strategies.
- **Technologies used:** SQL Server, PostgreSQL, Big Query, AWS Athena, Power BI, Tableau, Python(Pandas, NumPy).

ACADEMIC PROJECTS

**Walmart Sales Data Analysis | Python, SQL, MySQL, PostgreSQL**

- Developed an **end-to-end data analysis pipeline** for Walmart sales data, leveraging **Python (Pandas, NumPy), SQL, and PostgreSQL** for data extraction, transformation, and querying.
- **Cleaned, preprocessed, and optimized large datasets** by handling missing values, duplicates, and inconsistent formats, improving data accuracy by **30%**, and designed complex **SQL queries** to extract business insights such as **revenue trends, sales performance by category, and profit margin analysis**.
- Implemented **feature engineering** to calculate key metrics such as **Total Sales Amount**, enabling deeper insights into customer purchasing patterns.

**Bank Loan Analysis | Power BI**

- **Designed and developed a Power BI dashboard** analyzing **500,000+ loan records**, providing insights into total funded amounts, loan status, and repayment trends.
- **Implemented advanced DAX calculations** for KPIs like **average interest rate, debt-to-income ratio, and regional loan distribution**, improving financial decision-making for stakeholders.

CERTIFICATIONS

**Python for Data Science.**  
**AWS Cloud Security Foundations.**