

Summary

Accomplished Data Analyst with over three years of experience in translating complex data into strategic insights to support decision-making and drive business enhancements. Proficient in a broad array of analytical tools and technologies, including Python, SQL, Power BI, and Tableau. Specializes in data modeling, ETL processes, and the development of interactive dashboards. Demonstrated success in improving data accuracy, operational efficiency, and stakeholder engagement through data-driven strategies. Adept at addressing analytical challenges and delivering actionable solutions to support organizational objectives.

Skills

ETL Tools: Microsoft SQL Server Integration Services (SSIS) , Apache Airflow

Programming: Python (NumPy, Pandas, Matplotlib, SciPy, ggplot2, SQLAlchemy, Scikit learn, PySpark, Keras, TensorFlow), R (ggplot2, glt2r, dplyr), SAS (PROC SORT, PROC TABULATE, PROC SQL)

Database: RDBMS (MySQL, Microsoft SQL Server, PostgreSQL), NoSQL (MongoDB)

Analysis Tools: Power BI, Tableau, Qlik Sense, Qlik View data [QVD's], Advanced MS-Excel

Cloud Technologies: Azure, Azure Virtual Machine

Work Experience

System Project Analyst

May 2024 - Present

State of Florida Department of Health [Division of Emergency Preparedness and Community Support]

Florida, USA

- Engineered a comprehensive three-layer ETL framework utilizing **SSIS** for efficient data extraction, transformation, and loading into the data warehouse; optimized data processing time by 40%, enhancing reporting capabilities.
- Designed **Power BI** dashboards for EMS to enhance statewide submission monitoring, resulting in a 30% improvement in data quality metrics.
- Created **DAX** formulas using Calculated Columns, Measures, and the CALCULATE() function for accurate data modeling and numerical analysis, leading to the development of interactive dashboards that revamped data visualization and decision-making efficiency by 15%.
- Prepared a financial report during the state emergency (Hurricane Debby) using **Excel** Pivot, VBA, and DAX formulas, leading to a 30% improvement in resource management efficiency.
- Generated weekly **ad-hoc analysis reports** for management using **SQL Server** and Excel, resulting in a 20% improvement in decision-making efficiency.

Business Analyst

Oct 2023 – May2024

State of Florida Department of Health [Division of Medical Quality Assurance]

Florida, USA

- Facilitated with 3+ stakeholders to extract data and define functional requirements; delivered a detailed FRD that improved project clarity and increased project delivery efficiency by 30%.
- Conducted unit, integration, and user acceptance testing (**UAT**), managed **Power BI** dashboards, administered user access roles, and proposed Proof of Concepts (POCs) using **Microsoft Visio**, improving data process work flow accuracy by 15%.
- Optimized **Oracle SQL queries** and formulated **DAX** formulas to create **Power BI** reports and dashboards, which amended data retrieval speed by 10% and ensured 99% data accuracy and quality.

Data Advisory Assistant

Nov 2022 - May 2023

George Mason University

Virginia, USA

- Utilized **Python** to analyze 2 million international student cohorts data and gain insights on enrollment trends, academic performance, faculty management and demographic patterns to support data-driven decision-making and policy formulation.
- Queried master student database using **PostgreSQL** and utilized **pandas, matplotlib** for data manipulation and visualization, achieving 95% compliance with GMU's data governance policies and improving data accuracy by 20%.
- Developed 2 **Power BI** reports and dashboards to predict student cohort trends, enhancing data-driven decision-making and **PowerBI paginated reports** to compile a professional report.

Junior Data Analyst

Feb 2020 - Apr 2021

Solvix Digitech LLP

India

- Extracted data from eight related tables in customer sales databases using JOINS and VIEWS in **MS SQL Server**.
- Revised the reporting process by 5% through data transformation and **filtering using aggregation functions and CTEs**.
- Implemented interactive dashboards and reports using **Tableau Desktop**, facilitating actionable insights for stakeholders, and contributing to a 15% increase in scalability.
- Published a **Tableau workbook** with user filters, page navigations, drilldowns and ensured 98% accuracy in report standardizations with Solvix data standards and collaborated with analysts and PMs.

Education

George Mason University

Master's in Data Analytics Engineering

Aug 2021- May 2023

Virginia, USA

Gokaraju Rangaraju Institute of Engineering & Technology

B.Tech, Computer Science & Engineering

Aug 2017 - Jul 2021

Telangana, India