MOHIT PHULWANI

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Professional Summary

Data Analyst with 3+ years of experience building **SQL-driven ETL pipelines, SSRS reports, and interactive dashboards (Power BI, Tableau, Excel VBA)** to transform raw data into actionable insights. Currently pursuing an **M.S. in Business Analytics (GPA: 3.9)**, with strong academic grounding in **machine learning, predictive modeling, and data mining**. Proven ability to troubleshoot complex reporting systems, ensure data integrity, and partner with stakeholders to deliver **scalable reporting solutions and data-driven strategies**.

Education

Sacred Heart University, Connecticut, United States
Master of Science – Business Analytics (GPA: 3.9)   Sep 2024 – Dec 2025
Relevant: Data Mining, Machine Learning, Predictive Modeling, SQL, Python, Data Visualization

University of Mumbai, Mumbai, India
Bachelor of Arts – Economics   Jan 2021 – Feb 2024
Relevant: Econometrics, Statistical Modeling, Behavioral Economics

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Experience

Data Analyst Graduate Assistant
Sacred Heart University, Institutional Research Office, Fairfield, Connecticut   Oct 2024 – Present

- Completed **50+ SSRS reporting tickets**, enhancing reports with new columns, parameters, stored procedures, and formatting in Visual Studio.
- Built and optimized **complex SQL queries** (CTEs, window functions, CASE logic, 500+ line scripts) to extract and validate data across institutional systems.
- Troubleshot reporting issues, ensuring **accuracy and reliability** of dashboards and operational reports.
- Delivered **datasets and ad-hoc analyses** for external surveys (e.g., U.S. News) and internal stakeholders, supporting institutional benchmarking and compliance.
- Ensured **data integrity across ETL pipelines**, enabling leadership to make **timely, data-driven decisions**.

Business Data Analyst
Bharti Lining Pvt. Ltd, Mumbai, India   Jun 2022 – Jul 2024

- Developed **SQL-based ETL workflows and automated Python scripts** for procurement and sales data, reducing operational delays by 20% and optimizing costs by 25%.
- **Created and maintained Power BI dashboards and Excel VBA reporting tools**, providing executives with real-time insights and actionable KPIs.
- Partnered with cross-functional teams to implement data-driven solutions for inventory, sales, and financial planning.
- Conducted deep-dive analyses on large datasets **to identify trends, anomalies, and business improvement opportunities.**

Projects

Data Integration Pipeline for Wellness Tourism Prediction – Python, ML
- Built an end-to-end pipeline to clean, transform, and load raw customer data into predictive models for purchase likelihood.

Airline Performance Data Warehouse – Python, Dash, SQL
- Modeled flight performance datasets and built scalable ETL processes, improving forecast accuracy by 15% (R^2 gain).

Toyota Corolla Price Prediction ETL App - Python, Streamlit, SQL
- Designed automated workflows to preprocess datasets and integrate them into a predictive web app with interactive reporting.

Technical Skills

- **Languages**: SQL (T-SQL, HiveQL, MySQL), Python (Pandas, NumPy, PySpark), R, VBA
- **Data Engineering & Warehousing:** ETL/ELT pipelines, Data Modeling, Redshift, Snowflake, Hive, OLAP
- **Big Data Tools:** Spark, HiveQL, EMR (project exposure)
- **Visualization & Reporting**: Tableau, Power BI, SSRS, Excel (VBA, Pivot Tables, Power Query)
- **Other Tools:** Git, Alteryx, DBT, Dash