MOHIT PHULWANI

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Professional Summary

Data Analyst with **2+ years of experience using SQL, Python, Power BI, and Tableau** to generate business insights and automate reporting workflows. Proven record of reducing operational costs, streamlining reporting pipelines, and building data-driven dashboards that drive decision-making. Seeking to apply strong technical and analytical skills in a full-time analyst role at a growth-focused organization.

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

Experience

Data Analyst Graduate Assistant

Sacred Heart University, *Institutional Research Office, Fairfield, Connecticut*   Oct 2024 – Present

- Automated **15+ institutional and federal reports (IPEDS, US News)** using **SQL**, **SSRS**, reducing reporting cycle by **30%**.
- Created stored procedures and views for high-volume data tables, improving **data refresh speed by 22%**.
- Built 6+ interactive **Tableau dashboards** tracking retention and course outcomes for 200+ faculty and students.
- Partnered with leadership to redesign survey pipelines, improving compliance and reporting accuracy.

Business Data Analyst

Bharti Lining Pvt. Ltd, *Mumbai, India*   Jun 2022 – Jul 2024

- Led vendor cost analysis using **T-SQL**, resulting in a **25% cut in procurement expenses**.
- **Designed Power BI dashboards** for inventory tracking; drove **$10K/month in additional revenue** through stock optimization.
- Developed Python scripts using **BeautifulSoup** for data extraction and cleansing, saving 10+ hours/month.
- Collaborated cross-functionally in Agile sprints to reduce order processing delays by **20%**.

Projects

U.S. Flight Delay Dashboard – Python, Plotly, Dash
- Built a real-time dashboard with filterable charts showing delay patterns by airport, airline, and weather.
- Integrated callbacks for live updates and deployed on Streamlit.

Housing Price Prediction App – Scikit-Learn, Python
- Engineered a Ridge regression model to predict housing prices in King County with **15% higher R^2** than baseline.
- Feature engineering, polynomial features, and model validation included.

Auto Sales Analytics Dashboard – Dash, Python
- Built an interactive tool to explore car sales trends across time, geography, and drivetrain types.
- Enabled drilldowns and filtering for business decision-makers.

Technical Skills

- **Languages**: SQL, Python, R
- **Tools**: Power BI, Tableau, Dash, SSRS, Excel (Pivot, Power Query), Git, Alteryx, DBT
- **Databases**: MySQL, Snowflake, Hive, MS SQL Server
- **Methods**: Regression, Classification, Clustering, Time Series, A/B Testing
- **Certifications**:
    - IBM Data Science Professional Certificate
    - Bloomberg Market Concepts (BMC)