

PRAJJWAL SILWAL

Data Analyst

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PROFESSIONAL EXPERIENCE

DATA ANALYST FREELANCE

Remote
SEP 2023 - Present

- **Reduced reporting turnaround times by 15%** for multiple business units by building end-to-end Power BI reporting ecosystems integrated with SQL Server, Azure Data Lake, and Excel
- **Saved 12+ hours weekly** and eliminated repetitive manual work by engineering automated SQL and Power Query pipelines, standardizing KPI logic for consistent stakeholder reporting.
- **Decreased quarterly budget deviations by 20%** by conducting portfolio-level variance and forecasting analyses that identified and plugged high-impact cost leakages.
- **Cut dashboard load times by 35%** by designing optimized star-schema semantic models and tuning DAX calculations, enabling smooth performance at scale

PROJECTS

Sales Performance Optimization Dashboard | SQL, Jupyter Notebook, Python

- Improved sales planning accuracy by 40% by engineering a complete SQL-backed analytics pipeline that processed 10,000+ transactions and revealed high-impact regional KPI patterns.
- Enabled consistent and scalable reporting by creating automated data cleaning, aggregation, and KPI standardization workflows, forming the BI foundation for monthly performance reviews and leadership insights.

Financial Forecasting Model | Python, Excel, Power BI

- Enhanced financial predictability by 18% by developing a regression-based forecasting model that identified revenue/expense trends and strengthened proactive planning.
- Equipped leadership with scenario-ready insights by engineering cross-platform datasets (Python + Excel) and visualizing baseline vs. predictive forecasts in Power BI for budgeting decisions.

EDUCATION

UNIVERSITY OF LOUISIANA AT MONROE
Completed 100+ Credit Hours
Bachelor of Science in Mathematics

Monroe, LA
JAN 2019 – MAY 2023

TECHNICAL SKILLS

Analysis & Modeling: Financial/Operational Analysis, Variance Analysis, Forecasting, Regression Modeling, KPI Design
Visualization & BI: Power BI (DAX, Semantic Modeling/Star Schema), Tableau, Data Analytics, Dashboards
SQL & Databases: Microsoft SQL Server, MySQL, Stored Procedures, ETL Development, Azure Data Lake.
Python & Scripting: Python (pandas, NumPy, scikit-learn), Data Automation, Jupyter Notebooks.
Tools: Excel, Excel (Advanced Formulas, Power Query), Git/GitHub.