PRAJJWAL SILWAL
Data Analyst

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PROFESSIONAL SUMMARY

Business and Data Analyst who helps organizations turn raw data into operational clarity and financial accuracy. Skilled in SQL, Power BI, Python, and Excel to automate data workflows, enhance KPI visibility, and improve executive decision-making. Proven record of reducing reporting cycles, standardizing analytical processes, and improving forecasting reliability across finance and operations teams. Adept at translating analytical findings into actionable recommendations that drive measurable business improvements.

PROFESSIONAL EXPERIENCE

DATA ANALYST   **Remote**
FREELANCE   **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 forecast**s in **Power B**I for budgeting decisions.

EDUCATION

UNIVERSITY OF LOUISIANA AT MONROE   **Monroe, LA**
Completed 100+ Credit Hours B.S Mathematics   **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.