

Skills

- SQL (SQL Server, MySQL, SQLite)
 - Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, Plotly, Scikit-learn)
 - Tableau, Microsoft Power BI (ETL, DAX, KPI, Business Reporting, Star Schema, Data Storytelling)
- AWS (S3, Athena, Quicksight, Glue)
 - Excel (VLookup, Conditional Formatting, Pivot Tables)
 - ArcGIS (Spatial Analysis, Interactive Maps, Geodatabase Management)

Education

MASTER OF SCIENCE IN DATA SCIENCE & ANALYTICS – SUNY Buffalo State University – Buffalo, NY May 2024
GPA: 3.86/4.0

MASTER OF BUSINESS ADMINISTRATION – North South University – Dhaka, BD September 2022

Work Experience

- OPERATIONS DATA ANALYST** – Environmental Engineering Inc. – Glendale, CA July 2025 - Present

 - Analyzing operations and project performance data to support operational reporting and management decision making
 - Automating and standardizing data validation and reporting workflows using **Python** and **Excel**, reducing **40%** manual effort
- GRADUATE RESEARCH ASSISTANT** – SUNY Buffalo State University – Buffalo, NY October 2024 – July 2025

 - Mentored 15 LSAMP (Louis Stokes Alliance for Minority Participation) students, guiding them through research design, data analysis and visualization
 - Taught **Python** to 30 students and supported faculty by evaluating data models and research methodologies to ensure accuracy
- DATA ANALYTICS INTERN** – SUNY Buffalo State University – Buffalo, NY January 2024 – May 2024

 - Assisted in a **research project** by collecting, cleaning and integrating energy adoption datasets using **Python** and **SQL**
 - Applied **ML models** (Linear Regression, Gradient Boosting, XGBoost) to predict renewable energy adoption trends
 - Generated insights into solar/wind potential, grid capacity and policy support to guide clean energy strategies
- SUPPLY CHAIN DATA ANALYST** – Skylark Engineering Services – Dhaka, BD March 2020 – December 2022

 - Optimized inventory and procurement tracking using **Excel Power Query**, cutting manual entry by 70%
 - Built real-time cost tracking dashboards with **Pivot Tables**, improving vendor billing accuracy and accelerating financial reconciliation
 - Collaborated with project and logistics teams to monitor material flow, budget compliance and vendor performance across multiple engineering and telecom projects

Projects

- CRIME FORECASTING AND TREND ANALYSIS FOR LOS ANGELES** May 2024

 - Cleaned and analyzed 900k+ records from LAPD open data using **Python** and **SQL** to detect types of crime, zones and victim
 - **SARIMAX** and **PROPHET** models were applied to forecast seasonal crime trends for 2024 and beyond, improving predictive accuracy
 - Designed interactive **Tableau** dashboards to visualize high-risk zones, helping reduce response time by 15%
- AIRBNB MARKET OPTIMIZATION** January 2024

 - Analyzed 500k+ Airbnb listings using **SQL** and **Python** to uncover key pricing and occupancy drivers, providing hosts with strategies to maximize profitability
 - **Regression models** (LASSO, Ridge, Random Forest, Linear) were developed to accurately predict rental prices, enabling hosts to set competitive, data driven pricing strategies
 - Developed **Tableau** dashboards to visualize market trends and host performance, improving decision-making speed for hosts by 40%

Certifications

- Microsoft Power BI Data Analyst Professional Certification [\[Link\]](#)
- Deloitte Australia Data Analytics Job Simulation – Forage [\[Link\]](#)