

RAMISA HASSAN

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)
Newnan, GA 30263

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](#)]