Mohammad Sakibul Islam

519-760-5927 | sakibul1605@gmail.com | LinkedIn | Portfolio | Github | Guelph, ON, Canada

EDUCATION

- **Master of Data Science (MDS)** September 2023 – August 2024
  University of Guelph, ON, Canada | **GPA:** 91.33/100
  Coursework: Statistical Learning, Data Visualization, Analysis of Big Data, Machine Learning, Neural Networks.
- **Bachelor of Science in Computer Science & Engineering (CSE)** February 2017 – May 2022
  Bangladesh University of Engineering & Technology (BUET), Bangladesh

EXPERIENCE

Data Analyst (Contract Project) | Sollio Agriculture, Canada October 2024 – November 2024

- Developed a user-friendly Excel dashboard integrating advanced VBA macros and Excel features, including lookup functions and conditional formatting, to enable multi-criteria data search, and automation to support data updates.
- Collaborated closely with stakeholders to discuss requirements and gather feedback, ensuring the dashboard design aligned with business needs and enhanced user experience.

Data Analyst Intern | University of Guelph, Canada May 2024 – August 2024

- Designed a time-series forecasting model to accurately predict undergraduate enrollment for the next five years across various academic terms, improving forecasting accuracy by 15%.
- Created an interactive Tableau dashboard to visualize enrollment predictions and tuition revenue across 3 academic terms for both domestic and international students, providing insights for strategic decision-making.

Software Developer | IQVIA, Bangladesh September 2022 – August 2023

- Implemented 10 new features in .NET Core microservice applications and ensured alignment with task requirements.
- Conducted code reviews, resolved more than 20 software defects, and executed BDD tests to improve code quality.
- Achieved a 99% on-time delivery rate by participating in Scrum and improving development with effective collaboration.

SKILLS

- **Data Visualization:** Power BI, Tableau, Excel (VBA, Power Query, Lookup Functions, Pivot Tables), Looker Studio.
- **Programming:** Python (Pandas, NumPy, Scikit-learn, Matplotlib), R, SQL.
- **Database & Cloud Technologies:** MySQL, SQL Server, Azure Data Factory, ETL workflows, Azure Databricks, Azure Synapse Analytics, data integration, data warehousing.
- **Statistical & Predictive Analytics:** Regression analysis, time-series forecasting, hypothesis testing, clustering, predictive modeling, and descriptive statistics.
- **Soft Skills:** Strong written and verbal communication, collaborative teamwork, and critical analytical reasoning.

CERTIFICATIONS

- **Microsoft Certified: Power BI Data Analyst Associate (PL-300)**
- **Microsoft Power BI Data Analyst Professional Certificate**

PROJECTS

Regional and Temporal Sales Performance Analysis with Forecasting Insights Using Power BI and SQL

- Developed a Power BI dashboard with DAX functions for custom metrics and KPIs to visualize year-over-year growth, monthly performance insights, and regional contributions, enabling precise tracking of profitability and sales trends.
- Applied advanced SQL queries with window functions and aggregations to forecast sales, demand, and profitability across 50 regions and five product categories, addressing key performance trends and growth projections.

Superstore Sales Analytics Dashboard in Excel for Product Insights, and Customer Segmentation

- Utilized built-in Excel functions and VBA macros to perform temporal analysis across 3 product categories in 50 states, analyze sales trends, segment customers, track product performance, and automate report generation.

Analysis of Big Data Project: Exploratory Data Analysis (EDA) using PySpark

- Performed EDA on US Census data using PySpark, uncovering key demographic trends (e.g., 25% gender-based employment disparities) and socioeconomic insights such as poverty rates, income, and commute patterns across 50 states.

Machine Learning Project: Movie Insights Analysis

- Leveraged NLP to develop a content-based movie recommendation system, achieving 85% accuracy in genre classification and enhancing rating predictions by minimizing RMSE through feature engineering and machine learning.

Analysis of Spatial Temporal Data Project: Healthcare Accessibility Analysis

- Conducted spatial analysis using clustering, kernel density estimation (KDE), and Inverse Distance Weighting (IDW) to identify 10 underserved areas, optimize healthcare facility placement in Toronto, and determine shortest routes to the facilities using Dijkstra's algorithm.