

Mohd Mehtab Siddiqui

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PROFESSIONAL SUMMARY

Data analyst with an MSc in Big Data Analytics and hands-on experience in reporting, automation, and dashboard development. Skilled in SQL, Excel, and Power BI, with a strong ability to translate complex data into clear, actionable business insights.

EDUCATION

- **MSc. Big Data Analytics**, Trent University, Canada | Sep 2023 – Dec 2024 | **GPA: 90.5**
Relevant Coursework: Big Data, Data Mining, Machine Learning, Data Science with Python, Data Visualization, Statistical Modeling.

TECHNICAL SKILLS

- **Databases/Programming Languages:** PL/SQL, SQL, Python, R, MongoDB
- **Mathematical Proficiency:** Calculus, Linear Algebra, Statistics, Probability
- **Tools:** Power BI, Tableau, Advanced Excel (Pivot Tables, Macros, VLOOKUP, XLOOKUP), SQL Developer, SAP concepts (financial data modeling), WinSCP, ServiceNow
- **Certifications:** Microsoft Certified: Power BI Data Analyst Associate, Microsoft Certified: Azure Fundamentals

EXPERIENCE

Data Analyst Intern at Longworth Dental Clinic, Ontario

Sept 2024 – Feb 2025

- Designed and implemented an end-to-end data pipeline for dental survey analytics, including **web scraping**, **data cleaning**, and **database integration** using **Python** and **MySQL**.
- Developed automated workflows hosted on **DigitalOcean** Cloud Services, ensuring continuous data availability and real-time updates.
- Created and maintained interactive dashboards and performance reports using **Power BI**, enabling clinical teams to make data-driven decisions.
- Reduced manual reporting efforts by 30% through data automation and dashboard-based insights.
- Collaborated with dental staff to understand reporting needs and deliver customized analytics solutions tailored to clinical operations.

ACADEMIC PROJECTS

Customer Shopping Behavior Analysis (Python, SQL, Time Series Forecasting, Data Visualization)

- **Cleaned and structured** customer shopping data using **Pandas** and **NumPy**, **handling missing values and transforming** date columns for time-based analysis.
- Identified **purchase patterns**, **sales trends** and **customer spending behavior** through **Seaborn** and **Matplotlib** visualizations.
- Forecasted revenue and sales trends using Facebook Prophet and time-series modeling, enabling forward-looking financial planning.
- Provided **data-driven insights** into **customer purchasing behavior and seasonality trends**, enabling better **inventory and marketing strategies**.

Climate Change Analysis (Python, Power BI, Machine Learning, Data Visualization)

- **Processed** global weather data using **Pandas** and **NumPy**, **handling missing values, feature selection, and converting timestamps** for time-series analysis.
- **Identified** climate trends, temperature variations, and country-wise weather patterns using **Seaborn** and **Matplotlib** visualizations.
- Implemented **Linear Regression, Decision Trees, and Random Forest Regressors** to model **temperature variations**, optimizing models using **cross-validation (K-Fold)** and feature selection techniques (**RFE**).
- **Developed visual analytics dashboards** to track global climate patterns, temperature anomalies, and long-term environmental trends, allowing better data-driven climate insights.

Publication

Hand Sign Language Detection Using Machine Learning

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- Co-authored a research paper on sign language detection using CNN-based image classification, achieving high accuracy in alphabet prediction through a custom-trained model. Published in IJARST, Vol. 2, Issue 5, May 2022. [DOI: 10.48175/IJARST-4144](https://doi.org/10.48175/IJARST-4144)