

Mehtab Siddiqui

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with an MSc in Big Data Analytics and over a year of practical experience in financial reporting, business intelligence, and data automation. Skilled in SQL, Excel, and Power BI with hands-on exposure to cost analysis, dashboard development, and KPI tracking. Passionate about leveraging data to support financial planning, budgeting, and performance monitoring in fast-paced, technology-driven environments.

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.
- **B.Tech. Information Technology**, Sinhgad Academy of Engineering, India | Aug 19 – Apr 22 | GPA: 9.04
Relevant Coursework: SQL, Object Oriented Programming, Applied Mathematics and Statistics, Data Structure and Algorithms.

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, Python, SAP concepts (financial data modeling), WinSCP, ServiceNow
- **Certifications:** Foundations of Data Science, Microsoft Certified: Power BI Data Analyst Associate (on-going)

EXPERIENCE

- Data Analyst Intern at Longworth Dental Clinic, Ontario** Sept 2024 – Jan 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 Tableau, 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** data 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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