

MOHIT RATHOD

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PROFILE SUMMARY

Portfolio: <https://mohitrathod7.github.io/portfolio/home.html>

Analytical professional with a versatile skill set in reporting, data analysis, business insights, and risk assessment. Adept at transforming data into meaningful insights to drive decision-making and enhance organizational performance. Recognized for strong problem-solving abilities, attention to detail, and effective communication. Thrive in collaborative and dynamic environments, leveraging a combination of technical expertise and business acumen to deliver impactful results.

SKILLS

- **Tools & Platforms:** Proficient in Microsoft Excel, Microsoft Outlook, Microsoft PowerPoint, Microsoft Visio, Jira, Confluence, Visual Studio Code (VS Code), GitHub, and Microsoft Azure.
- **Data Visualization & Reporting:** Expertise in Tableau, Power BI, Python visualisation libraries (Matplotlib, Seaborn).
- **Programming & Query Languages:** Skilled in Python, SQL, R, JavaScript, DAX for Power BI, HTML.
- **Analytical Expertise:** Strong knowledge in Data Analysis and Visualization, Retail and Financial market analysis, Business analysis, performance forecasting, Database management, Agile Methodology, Financial Modeling, Analytical thinking and reporting, Capital markets, Corporate finance, Financial statements.
- **Core Competencies:** Analytical thinking, problem solving, reporting, and delivering actionable insights.

EDUCATION

Post-Graduate in Business Insights and Analytics (Dean's List in all semesters)	September 2023 – Present
<i>Humber College Institute of Technology & Advanced Learning, Toronto Canada</i>	
Bachelor of Science in Computer Science	June 2019 – June 2022
<i>Mumbai University, Mumbai, India GPA: 9.42/10</i>	

PROJECTS & TECHNICAL EXPERIENCE

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|--|---------------|
| Bike Share Toronto Data Analysis | January 2025 |
| <ul style="list-style-type: none">• Analyzed 1.93M trips from the 2018 Toronto Bikeshare dataset, leveraging Pandas to develop a predictive model for ridership demand while integrating bike location and trip data to deliver comprehensive insights.• Conducted time-series analysis, user segmentation, and station popularity studies, revealing 52% of trips lasted 5-15 minutes.• Developed and delivered actionable insights through three interactive dashboards (Yearly Overview, User Behavior, and Station Popularity) and visualizations using Power BI, Seaborn, and Matplotlib, aiding stakeholder decision-making. | |
| Stock Market Portfolio Dashboard | January 2024 |
| <ul style="list-style-type: none">• Designed and implemented a dynamic dashboard using Tableau to visualize investment performance and sector-wise portfolio distribution.• Analyzed returns, dividends, and risk-weighted allocations, highlighting key metrics like 32.94% ROI and sector-specific trends in IT, FMCG, and Energy.• Provided actionable insights into portfolio diversification by market capitalization (large, mid, small caps) and optimized sector balance, aiding investment decisions. | |
| Retail Sales Analysis and Forecasting | December 2024 |
| <ul style="list-style-type: none">• Conducted an in-depth analysis of a retail store's sales data to identify patterns and forecast future sales trends.• Utilized Python's Pandas library and Power BI to visualize sales performance, highlighting seasonal trends and revenue-driving products. | |

- Developed a **forecasting model** using time-series methods, enabling data-driven decision-making for inventory and marketing strategies.

Football Match Prediction Web Application

November 2024

- Developed a Python-based web application using **Flask** to predict **English Premier League (EPL)** match outcomes.
- Enhanced model accuracy with a **Random Forest Classifier**, leveraging **Pandas** for data processing and **Matplotlib** for data insights.
- Improved user experience with interactive visualizations and an intuitive interface, increasing engagement.

Calgary Real Estate Listings Dashboard

December 2023

- Built a **Tableau** dashboard analyzing **Calgary's** Real Estate market trends by neighborhood and price categories.
- Identified that **2-bedroom, 2-bath** houses accounted for over **16%** of listings, aiding in understanding market dynamics.
- Presented findings visually compellingly, providing clear insights into affordability and listing distributions.

CERTIFICATIONS

- **SQL: Data Reporting and Analysis** January 2023
By Emma Saunders – LinkedIn Learning
Gained a solid understanding of how to use SQL for data retrieval, manipulation, and reporting
- **Tableau Essential Training** December 2022
By Curt Frye – LinkedIn Learning
Tableau enables us to derive insights and present data driven solutions effectively
- **Data Visualization with Power BI** July 2023
By Gini von Courter – LinkedIn Learning
Gained expertise in creating dynamic dashboards and reports using Power BI.
- **Become a Data Analyst** August 2023
Learning Path by LinkedIn Learning
Acquired skills in Advanced Microsoft Excel (pivot tables, advanced formulas, and data automation), Microsoft PowerBI, Tableau, and Data cleaning.
- **Python for Data Science and Machine Learning** December 2023
By Jose Portilla – Coursera
Mastered Python libraries like NumPy, Pandas, Matplotlib, and Seaborn for data analysis and visualization.
- **Corporate Financial Statement Analysis** December 2023
By Earl Stice & Jim Stice – LinkedIn Learning
Learned to analyse business activities, use DuPont framework, common size financial statements & apply ratios for analysis

LEADERSHIP AND COMMUNITY INVOLVEMENT

Humber College Data Analytics Club

- Collaborated with peers to organize workshops and hackathons, promoting data analytics tools and methodologies.
- Mentored first-year students, providing guidance on Python and Tableau usage for academic projects.
- Assisted in curating resources for club members, fostering a collaborative learning environment.

Leadership and Achievement

- Represented school in inter-school chess competitions, showcasing strategic thinking and decision-making skills.