TAISEER RAKIIN AHAD

Calgary, AB | Email: taiseer.ca@gmail.com | **My Portfolio:** https://taiseer517.github.io/Taiseer-Website/
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PROFILE SUMMARY

- Built end-to-end analytics workflows using Python, R, SQL, and Power BI.
- Developed reproducible data pipelines, data models, and supervised ML experiments.
- Delivered clear, actionable insights by translating model results and KPIs for stakeholders.
- Available Summer 2026 Co-op.

EDUCATION

Masters in Data Science and Analytics
University of Calgary - Alberta, Canada ***Sept 2025 - present***

B.Sc. in Computer Science and Engineering
Independent University, Bangladesh - Dhaka, Bangladesh ***Sept 2019 - May 2025***

- Achieved 2 Dean's List honors and 1 Dean's Merit List recognition

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL
- **Data Science & ML:** Tensorflow ,Pytorch, Supervised Learning, Feature Engineering, Model Evaluation
- **Analytics and Visualization:** Power BI, Flourish Studio, Scikit-learn, Data modelling
- **Data Platforms:** Azure, Microsoft Fabrics, Github

PROJECT EXPERIENCE

Enactus UCalgary - Wildfire Risk & Early Detection Modeling ***Sept 2025 - Present***

- Combined multi-source geospatial and time-series data into a clean, analysis-ready dataset for early wildfire detection.
- Built a repeatable ETL pipeline with data checks for consistent fields, duplicates, and correct time alignment.
- Created model-ready features and a baseline ML prototype using leakage-safe train/test splits and tracking runs.
- Maintained clear documentation and kept the pipeline in version control to support team collaboration and steady progress toward deployment.

Vancouver 311 Service Request Analysis ***Sept 2025 - Dec 2025***

- Cleaned and standardized large-scale service request data to ensure analysis-ready quality for reporting.
- Designed a star schema to support scalable joins and Power BI integration, improving query performance.
- Developed SQL queries to extract KPIs and service metrics across departments, request types, and channels.
- Built a Power BI dashboard to visualize seasonal trends, overburdened departments, high-demand request types, and faster response channels, generating actionable recommendations for service optimization.

Predictive Modelling of Hiring Outcomes ***Sept 2025 - Dec 2025***

- Analyzed survey response datasets to identify key predictors of hiring outcomes using R studio and statistical modeling techniques.
- Simplified high-cardinality location data by grouping 173 countries into 10 distinct regions, improving data quality and model understanding.
- Performed logistic regression with AIC optimization and hypothesis testing to identify key hiring predictors.
- Performed multicollinearity checks and removed redundant features to strengthen model performance and reliability.
- Achieved an accurately optimized model, highlighting the feature importance of each factor on hiring outcomes.

Healthcare ML Research - IEEE ICCIT 2024 ***June 2023 - Nov 2024***
"Comparative Analysis of Deep Learning Models for Intracerebral Hemorrhage Detection from CT"

- Co-authored and published a comparative study benchmarking multiple CNN architectures under a standardized training/evaluation pipeline and preprocessing of data.
- Ran supervised learning pipelines with Python, evaluated with accuracy, recall, F1 score and explained trade-offs.
- Handled sensitive data with care and followed basic confidentiality practices.
- Used Grad-CAM to improve model understanding, turning results into clear visualizations to highlight where the models focused on to make predictions.

CERTIFICATIONS

- **Microsoft Certified:** Azure Data Fundamentals (DP-900)