

# Mohammed Yusuf Shaikh

+1 (647) 784-9385 | [yusuf.mns@icloud.com](mailto:yusuf.mns@icloud.com) | [LinkedIn](#) | [Portfolio](#)

## SUMMARY

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Strong modeling and data analysis skills gained through projects and group assignments. Built a personal portfolio showcasing data-driven projects and statistical models. Experienced with the following programming languages and technologies: Python, R Programming, SQL, Git, Power BI, Tableau, STATA, Advanced Excel skills (Macro, Pivot tables, Vlookup). Leadership experience as an executive for university club ACEUTM, organizing events and mentoring peers for the ACE Nationals Competition

## EDUCATION

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**The London School of Economics and Political Science (LSE) Summer School** London, UK  
*Machine Learning and Stochastic Simulation* Aug. 2025

Applied methods in statistical modelling, stochastic processes, and machine learning (including Monte Carlo methods and Generative Adversarial Networks) for risk modelling in Python.

**University of Toronto** Toronto, ON  
*Bachelor of Science in Economics & Applied Statistics* Sep. 2020 – Jun. 2025

Relevant Coursework: Statistical Modelling, Advanced Statistical Learning, Time Series Analysis, Method of Data Analysis, Applied Econometrics, Econometrics, Financial Economics, Pricing Strategies,

## EXPERIENCE

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**Data Operation Analyst** Dec. 2023 – Present  
*Golden Quasar Inc* Mississauga, ON

- Led development and deployment of end-to-end IT solutions for small and mid-market clients while managing service agreements, support transitions, and maintenance plans
- Extracted, cleaned, transformed, modeled, and analyzed lead datasets using SQL and Python (Pandas) to improve campaign deliverability and targeting accuracy.
- Developed a Power BI pipeline dashboard by integrating CRM and transaction databases.

**Finance Associate, Summer Internship** Jun. 2023 – Aug. 2023  
*Innovative Telecom & Software Pvt Ltd* Surat, India

- Built Excel-based forecasting models (using pivot tables and formulas) to support annual budgeting, improving reporting turnaround time by **10%**.
- Generated monthly P&L reports, enabling management to track performance against budget and uncover the root factors influencing cost.
- Streamlined data entry and reporting workflows with standardized templates, reducing manual processing effort for the finance team.

**Travel Consultant Associate** Aug. 2022 – May 2023  
*Ikhlas Tours & Travels* Scarborough, ON

- Planned customized travel itineraries aligned with client preferences, budgets, and timelines.
- Coordinated and managed flight bookings, accommodation, and transportation bookings and providing ongoing customer support.
- Collaborated with team members, vendors, and partner agencies to coordinate logistics and manage diverse client needs.

## PROJECTS

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**Data Analysis of Urban Crime Trends in Toronto (2014–2022)** Jan. 2024

- \* Performed exploratory and inferential analysis of Toronto crime victimization data in R, focusing on demographic and temporal patterns.
- \* Identified disproportionate impact on individuals aged 25–34 and women, quantifying relative risk across segments.
- \* Found a **15.7%** decrease in reported victims from 2019 to 2020, likely linked to COVID-19 lockdown, and recommended gender- and age-targeted prevention policies.

**Impact of Academic Advising on Student Success at the University of Toronto**

Sept. 2023

- \* Collaborated in a 7-person team to design surveys, clean data, and build analysis pipelines in R.
- \* Applied two-sample t-tests and linear regression models to study the relationship between advising frequency/quality and CGPA.
- \* The technical report found no statistically significant impact of academic advising on CGPA, but showed that effective advisor communication improved perceived performance and that lack of advising correlated with delayed graduation.

**US Airline Market Concentration & Fare Dynamics (1997–2000)**

Nov. 2022

- \* Analyzed panel data of U.S. domestic airline routes to evaluate how market concentration and passenger volume affected fares.
- \* Estimated simple and multiple linear regression models in R to isolate the effects of concentration indices and volume controls.
- \* Found that market concentration had a statistically significant but economically small effect on fares, while passenger volume showed both statistically and economically meaningful effects.

**SKILLS**

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**Technical:** Power BI, Excel (Pivot Tables, basic VBA), Tableau, R, Python, SQL (MySQL), STATA, GitHub, Google Sheets, MS PowerPoint, Data Cleaning & Wrangling, Statistical Analysis, Regression & Forecasting

**Languages:** English (fluent), Hindi (fluent), Gujarati (fluent)

**Soft Skills:** Client Relationship Management, Communication, Team Leadership, Strategic Planning, Collaboration, Adaptability, Self-Motivation