

Zain Aamer Ghias

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Profile

Applied Statistics student with front-end development experience, now focusing on data analytics and data science. Currently building projects with Python, SQL, Excel, Power BI, and Tableau, with a foundation in statistical modeling and practical applications of machine learning in analytics projects. Seeking to apply analytical and technical expertise.

Education

University of Toronto Mississauga

Mississauga, Canada

HB.Sc. Applied Statistics, Minors in Computer Science and Mathematics

Graduating: Apr 2027

Relevant Coursework: Data Analysis, Statistical Learning, Probability & Statistics, Regression Analysis, Linear Algebra, Data Structures & Algorithms, Databases, Machine Learning, Data Visualization

GCE A/O Levels (Lahore Grammar School)

Lahore, Pakistan

Technical Skills

Languages: Python, Java, C, JavaScript, TypeScript, SQL, HTML, CSS

Libraries/Frameworks: React Native, Pandas, NumPy, scikit-learn, Matplotlib, Bootstrap

Tools: Git, VS Code, IntelliJ IDEA, Excel, Power BI, Tableau, Android Studio

Concepts: Data Cleaning, Data Visualization, OOP, REST APIs, Responsive UI, Basic ML, Agile (Scrum), Version Control

Experience

Front-End Developer Intern

Toronto, Canada

Quor (Hybrid)

May - Aug 2025

- Worked in a small **startup** environment to build app screens and navigation flows with **React Native (Expo)** and **TypeScript**, creating reusable UI components.
- Used **Android Studio** device profiles to test layouts across screen sizes and ensure scalable, responsive UI.
- Developed a dynamic **map component** with location pins and a styled overlay layout.
- Implemented a **search bar**, **user cards**, and a **filter UI**.
- Helped structure the codebase and maintain clean, modular patterns while building from the ground up.

Projects

CityBike Toronto Analysis

Ongoing

Excel, Tableau, Python (Pandas, scikit-learn) – Analyzing Bike Share Toronto datasets to explore ridership patterns and usage differences between 2023 and 2024. Built interactive Tableau dashboards to visualize station activity and time-of-day trends. Currently extending the project with Python to compare ridership before and after Toronto's e-scooter ban, and to develop a basic machine learning forecasting model for predicting future usage.

Tree-Based Data Visualization

Mar 2024

Python – Created a hierarchical data visualization tool using trees and recursion; calculated and displayed dynamic tree depth.

The MewbileTech Phone Company

Jan – Feb 2024

Python, JSON, Mapping – Developed software to filter and visualize Toronto customer data on a map; optimized data filtering with efficient search algorithms.

Certifications & Courses

Data Analysis: SQL, Tableau, Power BI & Excel (Real Projects) — Udemy

Ongoing

Designed and built interactive dashboards in Tableau and Power BI; wrote SQL queries to extract, join, and aggregate data; cleaned and transformed datasets in Excel; applied statistical techniques to real-world analysis projects.

The Web Developer Bootcamp 2024 — Udemy

July - Aug 2024

Developed full-stack web applications with HTML5, CSS3, JavaScript, React.js, Node.js, and Express.js; implemented authentication and secure data handling; worked with MongoDB and REST APIs; applied responsive design principles for mobile-friendly UIs.