# Zain Aamer Ghias

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## Profile

Software developer with experience in **mobile app development, front-end engineering, and web applications**, with additional skills in data analytics and visualization. Skilled in React Native (Expo), TypeScript, JavaScript, and React for cross-platform apps, and Python and SQL for working with data. Currently gaining exposure to **AI-driven features** through coursework and internship projects, including automation and intelligent visualization tools.

## Education

**University of Toronto Mississauga**                                        Mississauga, Canada
HB.Sc. Applied Statistics, Minors in Computer Science and Mathematics        **Graduating: Apr 2027**
*Relevant Coursework:* Data Structures & Algorithms, Software Engineering, Databases, Machine Learning, Data Analysis, Statistical Learning, Probability & Statistics, Regression Analysis, Linear Algebra, 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

**Software Engineering Intern**                                        San Francisco, USA
Wholeviz *(Remote)*                                        **Sep – Dec 2025 (Ongoing)**

- Working on **Wholeviz**, a platform that enables NGOs, journalists, and government teams to create accessible and customizable data visualizations.
- Contributing to **front-end development with React**, building responsive UI components and navigation flows.
- Implementing **interactive dashboards and charts in Plotly**, ensuring usability and customization for diverse users.
- Collaborating with engineers and analysts to develop **automation features**, such as AI-based chart recommendations and auto-generated visualizations.

**Front-End Developer Intern**                                        Toronto, Canada
Quor *(Hybrid)*                                        **May – Aug 2025**

- Worked with a small **startup team** to build and refine a cross-platform mobile app using **React Native (Expo)** and **TypeScript**.
- Designed and developed **reusable UI components**, navigation flows, and interactive features such as a dynamic map, search bar, and filters.
- Tested layouts across devices in **Android Studio** to ensure responsive and scalable design.

## Projects

**CityBike Toronto Analysis**                                        **Ongoing**
*Excel, Tableau, Python (Pandas, scikit-learn)* – Analyzing Bike Share Toronto data to explore usage patterns and trends. Built dashboards in Tableau and extending with Python for comparative analysis and basic forecasting.

**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**
Built full-stack web apps with HTML, CSS, JavaScript, React.js, Node.js, Express.js, and MongoDB; applied authentication, REST APIs, and responsive design.