Zain Aamer Ghias

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🔗 LinkedIn | GitHub | 🌐 Portfolio Website

Profile

Applied Statistics student focused on data analytics, visualization, and business intelligence, with experience developing UI/UX features for an AI-assisted, **no-code data visualization platform** that creates dashboards and charts. Completing the IBM Data Analytics Professional Certificate.

Education

University of Toronto   Expected Graduation: May 2027

Honours Bachelor of Science — Applied Statistics
Minors: Computer Science and Mathematics
Relevant Coursework: Data Analysis, Statistical Modelling, Regression, Databases, Machine Learning, Data Visualization

Experience

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

- Contributed to the UI, UX, and front-end architecture of **Wholeviz**, a no-code data visualization and analysis platform designed for NGOs, journalists, and government teams.
- Built the **Visualize** interface for uploading, cleaning, and creating AI-assisted charts and insights.
- Integrated AI-powered chart suggestions and early natural-language-to-chart features to simplify data exploration.
- Built reusable React, Next.js, Tailwind, and Plotly components for chart configuration, editing, and live previews.

UX & Frontend Developer Intern (IBM SkillsBuild × Riipen)   Toronto, Canada
Digital Placemaking Canada *(Remote)*   **Nov 2025 – Present**

- Contributing to the redesign of **KinesisIQ**, an AI-driven civic-intelligence platform created with government support.
- Creating demo dashboards, UX flows, and web pages that demonstrate how AI-generated data insights would be analyzed and presented to public-sector users.
- Collaborating with cross-functional and government-affiliated stakeholders to align design, user needs, and platform goals.

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

- Built mobile UI and navigation flows in React Native (Expo) for a fitness-tech startup.
- Developed an interactive map component and validated performance in Android Studio.

Projects

Customer & Product Profitability Analytics Dashboard ↗   Nov 2025
SQL, Power BI – Developing an end-to-end analytics dashboard using a synthetic retail dataset modeled after real-world sales systems. Cleaning and transforming data in SQL, engineering business metrics for revenue, profit, margin and customer segments, and building interactive Power BI reports to highlight product performance and customer purchasing behavior.

Bike Share Toronto Analysis ↗   Sep – Oct 2025
Excel, Tableau – Cleaned and modeled **537k** trip records and engineered fields for hourly, weekday, and station analysis. Built dashboards showing a **39.2%** YoY ridership increase, longer trip durations, and clear commuter peaks. Developed a transparent trip-level financial model using public pricing to estimate revenue, cost, and profit under data limitations.

Tree-Based Data Visualization ↗   Mar 2024
Python – Built a recursive file directory visualizer that displays folder hierarchy and dynamic tree depth.

Certifications & Courses

IBM Data Analytics Professional Certificate — Coursera   Ongoing
User Experience Design Fundamentals — IBM SkillsBuild   Ongoing
Data Analysis: SQL, Tableau, Power BI & Excel — Udemy   Completed Oct 2025
The Web Developer Bootcamp 2024 — Udemy   Completed Aug 2024

Technical Skills

Languages: Python, SQL, JavaScript, TypeScript, R
Tools: Power BI, Tableau, Excel, IBM Cognos, Git
Libraries/Frameworks: Pandas, NumPy, scikit-learn, Matplotlib, Plotly, React, Next.js