Waleed Ahmed

DATA ANALYST

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RELEVANT EXPERIENCE

Co-Founder & Lead Data Engineer — *ZoidAI* — Sep 2025 – Present

- Architected a multi-tenant analytics infrastructure using **PostgreSQL** and **SQL** to track **thousands of daily events**, providing real-time visibility into voice agent performance and user engagement metrics.
- Designed and implemented **financial reporting dashboards** integrating **Stripe webhooks**, enabling precise reconciliation of usage-based billing and reducing manual revenue tracking efforts by **100%**.
- Conducted quantitative analysis on call logs and user interactions to identify drop-off points, leading to a **20% improvement** in agent conversation success rates through prompt engineering experiments.
- Developed **ETL pipelines** to ingest and structure unstructured document data into vector embeddings, optimizing the retrieval accuracy of the RAG system for diverse tenant knowledge bases.

Software Engineering Intern (FinTech) — *Iki Design Studio* — Jan 2024 – Apr 2024

- Engineered a **financial modeling web application**, utilizing **Python** and **SQL** to process complex financial datasets and generate real-time projections for business clients.
- Implemented dynamic data visualization tools using **Chart.js** and React, allowing users to interactively explore **revenue scenarios** and sensitivity analyses.
- Optimized database queries for financial reports, reducing report generation time by **40%** and ensuring data accuracy for critical decision-making processes.
- Worked directly with stakeholders to translate complex financial requirements into technical specifications, ensuring the final product met rigorous **analytical standards**.

Data Analyst Intern — *Riipen* — Nov 2023 – Dec 2023

- Developed interactive **Tableau dashboards** to visualize insurance policy data, enabling stakeholders to identify key coverage trends and anomalies across **hundreds of policies**.
- Engineered robust **data pipelines** using **Python (Pandas)** to clean and transform raw datasets, significantly reducing manual data preparation time for weekly reporting cycles.
- Performed **statistical modeling** to analyze risk factors, providing data-backed recommendations that influenced strategic decisions for the insurance product roadmap.

TECHNICAL PROJECTS

Rideshare Demand Forecasting Model — *Python, Scikit-Learn, Pandas* —

- Developed a machine learning model to predict **urban mobility demand** based on historical trip data, weather conditions, and temporal factors, directly applicable to marketplace optimization.
- Performed extensive **Exploratory Data Analysis (EDA)** to uncover seasonal trends and peak usage hours, simulating the impact of dynamic pricing levers on rider demand.
- Utilized **regression analysis** and ensemble methods to achieve **85% accuracy** in demand prediction, demonstrating capability in optimizing supply allocation.
- Visualized geospatial data trends to identify high-density pickup zones, providing actionable insights for potential **driver positioning strategies**.

PROFESSIONAL SUMMARY

Data Analyst and Engineer with 2+ years of experience building analytical systems and production data pipelines. Proven ability to combine strong technical skills in **SQL**, **Python**, and **statistical analysis** with business acumen to drive product growth and operational efficiency. Passionate about urban mobility and leveraging data to improve marketplace dynamics.

SKILLS

Data Analysis & Visualization

SQL (Advanced), Tableau, Power BI, Matplotlib, Seaborn, Excel (Pivot Tables), A/B Testing, Cohort Analysis, Funnel Analysis

Programming & Scripting

Python (Pandas, NumPy, Scikit-learn), R, JavaScript/TypeScript, Bash Scripting, HTML/CSS

Data Engineering & Databases

PostgreSQL, ETL Pipelines, Data Warehousing Concepts, Database Normalization, Query Optimization, Supabase

Statistical Methods

Regression Analysis, Hypothesis Testing, Confidence Intervals, Time Series Analysis, Predictive Modeling

Financial & Business Analysis

Financial Modeling, Revenue Recognition, KPI Tracking, Marketplace Dynamics, Unit Economics, Cost Benefit Analysis

Tools & Platforms

Git, Jupyter Notebooks, Docker, AWS (S3), Vercel, Stripe (Billing Analytics), Google Analytics

EDUCATION

Bachelor of Computer Engineering — *Toronto Metropolitan University* — May 2026

Diploma of Data Science — *Lighthouse Labs* — Oct 2023