

Zohair Omar

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Summary

Computer Science student with hands-on experience in **data analysis, reporting, and process documentation** across technical and stakeholder-facing projects. Proficient in **Excel (advanced reporting/optimization), Power BI (Power Query/DAX), SQL, and Office 365 (Word, PowerPoint, Excel)** with a track record of building dashboards, documenting SOPs, and presenting results clearly. Strong **Agile/Scrum** collaborator who coordinates cross-functionally, tracks deliverables, and translates technical findings into actionable insights.

Technical Skills

Analytics & Reporting: Excel (Pivot Tables, VLOOKUP, Charts), Power BI, SQL, Pandas, NumPy

Data & Visualization: Power Query, DAX, Matplotlib, Plotly

Collaboration & Delivery: Agile (Scrum), Documentation (Word/PowerPoint), Git, CI/CD (GitHub Actions), Office 365

Web (for dashboard delivery): React, TypeScript, REST APIs

Education

Bachelor of Science, Computer Science & Mathematics (Minor in Economics) Expected April 2027
University of Calgary, Alberta

Bachelor of Science, Computer Science Sep 2022 – Sep 2024
University of British Columbia, Vancouver

Key Courses: Object-Oriented Programming, Data Structures & Algorithms, Applied Machine Learning (Python), Introduction to Data Science (R)

Experience

Enactus UCalgary – WealthPath Jul 2025 – Present
Front-End Development Lead; Word, PowerPoint, React, TypeScript, Tailwind CSS, Calgary, AB

- Led a 4-person team and facilitated 2–3 Scrum meetings per week to align scope, priorities, and deliverables.
- Coordinated with the back-end team to define API contracts and resolve integration issues, improving delivery by **1–2 sprints**.
- Built and deployed a platform pilot through school partnerships, impacting **100+ students** in the first semester.
- Created stakeholder-ready updates using **Word** and **PowerPoint**, presenting progress and impact metrics to non-technical partners.

TechNova Feb 2025 – Present
Co-Founder & VP Technical; React, JavaScript, Python, SQL, Git Calgary, AB

- Built full-stack websites and dashboards for clubs using React, Python, and SQL; improved usability and information access for **100+ users**.
- Led a 4-person team through Agile sprints with Git and code reviews; produced documentation and onboarding guides to support long-term upkeep.

Agrius IT May 2024 – Jul 2024
Software Developer Intern; Python, SQL, Word, Excel Abu Dhabi, UAE

- Developed and debugged backend features using **Python** and **SQL**, improving reliability and supporting secure system operations.
- Documented workflows and contributed to SOPs for issue resolution and system operations using **Office 365 (Word, Excel)**.
- Facilitated cross-functional troubleshooting and delivered feature updates, resolving **three** critical system bottlenecks ahead of schedule.

Projects

Oil & Gas Asset Integrity Dashboard – Power BI, SQL Server, SharePoint

- Built a production-like Power BI solution tracking integrity KPIs and compliance signals (overdue inspections, anomaly tracking, certification compliance).
- Modeled **24 months** of data with Power Query and DAX; created role-based views for engineers vs managers and slicers by department/month/year.
- Produced backlog alerts and trend summaries to support stakeholder reporting and planning.

Production Analytics & Forecasting Dashboard – Python, Streamlit, Power Automate, Azure AD, Microsoft Graph API, SharePoint

- Built an analytics dashboard with KPI tracking (MoM/YoY) plus rolling-origin backtesting using MAE, RMSE, MAPE, and WAPE.
- Delivered ETS forecasting with 95% confidence intervals and anomaly detection to contextualize error metrics and make deviations interpretable for decision-making across wells (2008–2016).

Heart Disease Prediction Model – Python, R, tidyverse, Jupyter

- Built a predictive model on **300+** patient records; performed cleaning, scaling, and analysis; achieved **83%** accuracy.
- Visualized feature impact to identify the top **3** drivers and translate results into decision-ready insights.