Zaid Sayed

+1 236 971 7782 | zaidsayedbusiness@gmail.com | linkedin.com/in/zaid | Portfolio

EDUCATION

University of British Columbia — Vancouver, BC
B.A. in Computer Science, Minor in Data Science — *September 2023 – November 2027*

- GPA: 3.7/4.0
- International Student Scholarship Recipient (2024, 2025)
- Teaching Assistant: **CPSC 210 (Software Construction)**, **CPSC 121 (Models of Computation)**
- Resident Advisor

EXPERIENCE

AI Software Engineer (Intern → Program Manager — August 2023 – August 2024
VENU AI | Python, LLMs — *San Jose, CA*

- Owned and improved **Python-based LLM workflows**, redesigning **prompt orchestration** to increase response reliability and reduce debugging time by **40%** .
- Enhanced internal **Python codebase** to improve execution efficiency, error handling, and maintainability across model pipelines.
- Supported scaling of **LLM-driven automation pipelines**, enabling successful deployment across multiple client use cases.
- Collaborated across engineering and product teams using **GitHub issues**, sprint planning, and milestone tracking.
- **Promoted from Intern to Program Manager within 7 months** based on technical ownership and execution.

IT Intern — May 2025 – June 2025
Grant Thornton | ITGC, Excel, Python — *Dubai, UAE*

- Automated audit data review using **Excel** and **Python scripts**, reducing manual processing time by **30%**.
- Performed **ITGC audit testing** across access controls, system configurations, and compliance documentation.
- Cleaned and transformed **financial datasets** to improve sampling accuracy during audits.

PROJECTS

Customer Spending Analytics Dashboard | *Power BI, SQL, Python* — December 2026

- Designed and built an interactive **Power BI** dashboard to analyze customer spending behavior using transaction-level data.
- Wrote SQL queries to aggregate monthly spend, customer activity, and category-level trends.
- Created KPI cards, time-series charts, and category breakdowns to support executive-level decision making.

Credit Card Default Prediction | *Python, scikit-learn, Pandas, NumPy* — September 2025 - November 2025

- Built and evaluated **classification models** on **30k+ records** using stratified cross-validation and held-out testing.
- Achieved best performance with **Gradient Boosting** (**ROC-AUC $\approx$ 0.78**), demonstrating strong generalization.
- Performed **feature analysis** to identify key predictors of default risk.

AI Email Assistant | *React, TypeScript, Gmail API, OpenAI, Ionic* — January 2025

- Built a web-based assistant that generates **context-aware email replies** using full-thread context and sender metadata.
- Implemented logic to **constrain tone and length** and suppress low-confidence responses.

Sudoku Solver | *Python* — May 2024 – June 2024

- Implemented a **backtracking + DFS solver** with **constraint propagation** to reduce branching and improve efficiency.

Finance Budget Tracker | *Java, JUnit, Swing* — January 2024 – May 2024

- Developed a GUI-based desktop application using **Java Swing** to track expenses, earnings, and cash flow.
- Implemented data persistence via **JSON** and built an **MVC**-structured codebase with full **JUnit** test coverage.

Maternal Health Risk Classifier | *R, Jupyter Notebook* — September 2023 – December 2023

- Developed a classifier to predict **maternal health risk levels** using physiological indicators.
- Evaluated performance using a **confusion matrix** with emphasis on **recall for high-risk patients** to reduce false negatives.
- Benchmarked **K-Nearest Neighbors** against a **baseline classifier**, analyzing suitability for **imbalanced medical data** and sensitivity-specificity trade-offs.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, R, SQL, HTML/CSS
Frameworks & Tools: JUnit, Swing, Git/GitHub, Jupyter, VS Code, Power BI
Areas: Machine Learning, Data Analysis, Prompt Engineering, Software Testing, Multithreading, Synchronization