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Zaid Sayed

+1 236-971-4983 | zaidsayedbusiness@gmail.com | linkedin.com/in/zaid | Personal Portfolio | *Dubai Golden Visa 2034'*

*R*esilient worker, determined learner, first-principles approach

Technical Skills

Programming Languages: Java, Python, JavaScript, C++, R, C, SQL, HTML/CSS, Swift
Frameworks & Libraries: React.js, TensorFlow, JUnit, JSwing
Tools & Platforms: Git & GitHub, Jupyter Notebook, Photoshop, Visual Studio Code
Other Skills: Machine Learning, Prompt Engineering, Data Analysis, Software Testing, Multithreading, Synchronization

Education

University of British Columbia — Vancouver, BC
Bachelor of Arts in Computer Science, Minor in Data Science — *Sep 2023 – May 2026*
- International Student Scholarship Winner - 2024

GEMS Modern Academy — Dubai, UAE
IB Diploma — *April 2014 – May 2023*

Experience

Teaching Assistantship (TA) — Sept 2024 – Present
University of British Columbia | System Architecture, Logic — *Vancouver, BC*
- Conducting lab sessions and office hours for CPSC 121 - Models of computation and how memory is processed and stored.
- Enhanced student understanding of logic gates and circuits, resulting in an average lab performance improvement of 15%

AI Software Engineering Intern / Program Manager — Aug 2023 – Aug 2024
VENU AI | Python, LLM — *San Jose, CA*
- Efficiently redesigned our **prompt engineering** layer to speed up our sales pipeline and cope with high demand.
- Using **Python** reduced overall debugging and testing time spent weekly by 40%.
- **Program Manager** - Managed and kept track of deliverables, GitHub issues, feature requests and bugs.
- Increased Sales outreach and scaled **LLM** by 25% to help customers close 30 sales calls in 30 days.
- Helped the startup increase our ARR by 85% through constant drive and determination.
- Promoted from Intern to Program Manager within 7 months

Projects

Maternal Health Risk Classifier | *R, Jupyter Notebook* — Sept 2023 – Dec 2023
- Developed a maternal health risk classifier using the **KNN algorithm** with R on jupyter notebook.
- Used performance evaluation test - **matrix confusion**, to evaluate our accuracy
- Accessed test data from a Machine Learning Repository

Finance Budget Tracker | *Java, JUnit, JSwing* — Jan 2024 – May 2024
- Application allowing individuals to track earnings, expenditures and cash flow statements
- Using **JSwing** to formulate an interactive and easy-to-use GUI.
- Using JSON for data persistence allowing data to be stored whilst exiting the app.
- Using JUnit, testing for each component and following design principles of a good software engineer.

Sudoku Solver | *Python* — May 2024 – June 2024
- Following design recipes, deployed a backtracking algorithm, using recursion to explore potential solutions.
- Employed arrays to represent the Sudoku board and constraint propagation techniques to reduce the search space and improve efficiency.
- Applied principles of **depth-first search** (DFS) in the context of a constraint satisfaction problem - sudoku.

AI Email Assistant | *NWHacks - React, Typescript, Gmail API, Open AI API, Ionic Framework* — Jan 2025
- Created an interface using typescript and **react** through the ionic framework, making it interactive and responsive
- Implemented **gmail api** and oauth to make a web-app secure and scrape the users emails
- Implemented **open AI api** and prompt engineered to generate instantaneous responses to the emails and reduce manual labour

Certifications

- Crash Course on Python
- Data Science
- Blockchain Essentials
- Software Construction
- Systematic Program Design