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Zaid Sayed

+1 236-971-4983 | zaidsayedbusiness@gmail.com | linkedin.com/in/zaid

Aspiring software developer with a strong foundation in software design and full stack. Eager to apply my coding skills in a professional environment and enhance my skill set. Seeking opportunities where I can actively contribute to real-world projects and gain valuable experience.

Education

University of British Columbia Vancouver, BC

Bachelor of Arts in Computer Science, Minor in Data Science *Sep 2023 – May 2027*

- CPSC 110 (Systematic Program Design), CPSC 121 (Models of Computation), CPSC 210 (Software Construction)
- DSCI 100 (Data Science)

GPA: 3.83

GEMS Modern Academy Dubai, UAE

IB Diploma *April 2014 – May 2023*

Experience

AI Software Engineering Intern Aug 2023 – Present

VENU AI *San Jose, CA*

- Efficiently redesigned our prompt engineering layer to speed up our sales pipeline and cope with high demand.
- Reduced overall debugging and testing time spent weekly by 40%.
- 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.

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
- Visualized GitHub data to show collaboration
- Analysing the relationship between health factors and maternal risk

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.

Skills

- Java
- SQL
- HTML/CSS
- Prompt Engineering
- Python
- Javascript
- R
- Machine learning
- Photoshop

Certifications

- Crash Course on Python
- Data Science
- Blockchain Essentials