

Hishmat Salehi

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PROFESSIONAL SUMMARY

Data Scientist with a strong Computer Science and Mathematics background. Skilled in Python, Java, JavaScript, SQL, and Power BI. Experienced in agent-based modeling and developing data-driven solutions that streamline processes and deliver actionable insights.

SKILLS

Data Science	Python, SQL, Scala, Power BI
Programming	Java, JavaScript, C++
Other	Git, Linux, Pandas, Streamlit, MESA

EXPERIENCE

Data Science Student

PCL Construction

Jan 2024 - Aug 2024

- Developed a **Streamlit** web app, QC Dispatch, to display the outcomes of agent-based simulations, facilitating optimal allocation of resources in Quality Control operations.
- Employed agent-based modeling with **Python**'s **MESA** library to simulate complex project workflows, predicting project completion times and a 15% increase in operational efficiency.

Business Systems Analyst II

McMaster University

Mar 2022 - Apr 2023

- Created advanced **Power BI** dashboards to present key insights and inform stakeholder decisions.
- Extracted data from a cloud-based CRM (Slate) and various sources, transformed it into a structured format, and prepared it for analysis to drive business decisions.

Teaching Assistant - COMPSCI 2AC3 (Automata and Computability)

McMaster University

Jan 2022 - Apr 2022

- Taught finite state machines, regular expressions, and computability to a class of 50+ students.

Teaching Assistant - COMPSCI 1JC3 (Intro to Computational Thinking)

McMaster University

Sep 2021 - Dec 2021

- Taught **Haskell** and functional programming techniques, including recursion and modular problem solving, to enhance students' coding skills and analytical thinking.

EDUCATION

M.Sc. in Modeling, Data & Prediction (MDP)

University of Alberta

Sep 2023 - Apr 2025

Edmonton, AB

B.Sc. in Computer Science (w/ Math minor), cGPA: 3.6/4

McMaster University

Sep 2018 - Apr 2022

Hamilton, ON