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 **Python** Streamlit web application ("QC Dispatch") to visualize agent-based simulation results, optimizing resource allocation for Quality Control operations.
- Implemented agent-based models using **Python**'s MESA library to simulate project workflows, predicting completion times and a 15% increase in operational efficiency.

Business Systems Analyst II

McMaster University   *Mar 2022 - Apr 2023*

- Developed and maintained a **Power BI** report providing key insights into student applications, offers, and enrollment trends, supporting data-driven decision-making for university leadership.
- Utilized cloud-based CRM system (Slate) for lead management, communication, and reporting.

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)   **Sep 2023 - Apr 2025**

University of Alberta   *Edmonton, AB*

B.Sc. in Computer Science (w/ Math minor), cGPA: 3.6/4   **Sep 2018 - Apr 2022**

McMaster University   *Hamilton, ON*