

# Hishmat Salehi

github.com/hish-math

hishmat.salehi2015@gmail.com

linkedin.com/in/hishmat-salehi/

## PROFESSIONAL SUMMARY

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Technically skilled and curious problem-solver with a strong computer science background. Passionate about using data and technology to create smart solutions, especially in areas like AI, Business Intelligence, and web development. Eager to contribute and collaborate on impactful projects.

## SKILLS

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**Data Science & Analytics** Python, Power BI, SQL, Agent-based Modeling

**Programming Languages** Java, JavaScript, Haskell

**Tools & Libraries** Streamlit, Pandas, MESA, Git, Linux

## EXPERIENCE

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### Data Science Student

PCL Construction

Jan 2024 - Aug 2024

- Designed and developed a **Python** (Streamlit) web application ("QC Dispatch") to visualize agent-based simulation outcomes, enhancing resource allocation strategies for Quality Control.
- Implemented agent-based models utilizing **Python** (MESA) to simulate project workflows and predict project completion timelines, with simulations projecting up to a 15% potential increase in operational efficiency.

### Business Systems Analyst II

McMaster University

Mar 2022 - Apr 2023

- Created and maintained interactive **Power BI** dashboards delivering critical insights into student recruitment pipelines, including application volume, offer conversion rates, and enrollment forecasts, enabling data-informed strategic planning for university administration.
- Managed cloud-based CRM system (Slate) to streamline lead management processes, enhance communication strategies, and generate performance reports.

### Teaching Assistant

McMaster University

Sep 2021 - Apr 2022 (2 terms)

- Taught computer science foundational concepts including:
  - Automata and Computability Theory (Finite State Machines, Regular Expressions)
  - Introductory Computational Thinking (**Haskell**, Functional Programming, Recursion).
- Facilitated learning for classes of 50+ students, promoting problem-solving skills and analytical thinking.

## EDUCATION

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### 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