

# Abdelrahman Moustafa

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## TECHNICAL SKILLS

**Languages:** Java, Python, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** React, Node.js, JQuery

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Jupyter, Linux, Anaconda

**Libraries:** Tensorflow, Keras, Scikit-Learn, NumPy, pandas, Matplotlib, Swing

## EDUCATION

**Toronto Metropolitan University**

September 2023 – April 2028 (Expected)

*Bachelor of Science in Computer Science w/Hons*

*Mississauga, ON*

- 90%+ Entrance Scholarship, Faculty of Science Dean's List
- Relevant Courses: Data Structures, Algorithm Design, Operating Systems, Object Oriented Programming

## CERTIFICATIONS

**Tensorflow Developer Certificate**

January 2024 – January 2027

*Google*

- Demonstrated expertise in using TensorFlow to design, build, and train deep learning models.

**PCAP - Certified Associate in Python Programming**

July 2023

*OpenEDG Python Institute*

## PROJECTS

**Chatty** | *HTML, CSS, JavaScript, MongoDB, Express, React, Node.js, Socket.io*

- Built **real-time chat app** using **MERN** stack and **Socket.io** with **instant messaging** for multiple concurrent users.
- Implemented **image sharing**, **profile customization**, and **responsive UI** for enhanced user experience.
- Developed RESTful APIs with **user authentication** and **optimized MongoDB database** for message storage.

**TensorFlow Projects** | *Python, TensorFlow*

- Created a sentence classification model using **LSTMs** and **transfer learning** for medical abstracts which resulted in 84% accuracy.
- Designed an **image classification** model to classify 101 different food categories using **CNNs**.
- Utilized the **Numpy**, **Pandas**, **Matplotlib** and **Scikit-Learn** to process, visualize, and manipulate data.

**Othello** | *Java, Swing*

- Managed the backend and the front end of an Othello game using **Java** and **Swing** to build the UI.
- Applied an **algorithm** to calculate the best move for the bot and restrict illegal moves for the player.
- Designed a **saving and loading** mechanic including a leaderboard with all players and their scores.

**Hackville 2024 - Sheridan College** | *HTML, CSS, JavaScript, Python, TensorFlow*

- Collaborated with a team to build an application that uses **machine learning** to help newcomers find synonyms.
- Developed back-end which **imports**, **preprocesses** and **analyzes** datasets using data analysis libraries.

## VOLUNTEER EXPERIENCE

**Event Coordinator**

September 2019 – April 2020

*ISNA Canada*

*Mississauga, ON*

- Organized events and managed food distribution, attracting 200+ attendees per event.
- Collaborated with team members to fulfill orders in a fast-paced setting, ensuring participant satisfaction.
- Engaged with 100+ customers, providing excellent service at a charity event to raise funds against poverty in GTA.

**Project Assistant**

March 2022 – May 2022

*Masjid Al-Farooq*

*Mississauga, ON*

- Assisted in event organization, prayer services, and charitable initiatives during Ramadan.
- Led a team of 10+ volunteers in fundraising, raising \$500 for mosque construction projects.