Ibraheem M. Hussain

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Personal Website: ibraheem-21.github.io/Portfolio-Web/

EDUCATION

University of Toronto - St. George   **Toronto, Ontario**
HBSc - Computer Science   *Expected Graduation, June 2028*
   o   **Related Coursework:** Data Structures & Algorithms, Computer Organization and Programming, Objects & Design

EXPERIENCE

Arrive Ready Computer Science Intern   **Toronto, Ontario**
University of Toronto, Faculty of Arts and Science   *May 2025 - Present*
- Selected as a **Computer Science Summer Intern** through the University of Toronto's Arrive Ready Program to **support incoming first-year CS students.**
- Collaborating with staff and faculty to **develop onboarding materials, academic resources, and program-related communications.**
- Assisting in the **planning and execution of initiatives** that enhance the transition and experience of new students entering the CS program.

Match Official   **Mississauga, Ontario**
Ontario Soccer   *May 2022 – Present*
- **Registered Ontario Soccer Entry Level Referee** with over **50 games** of experience, demonstrating a strong understanding of game rules and officiating standards.
- Developed **problem-solving and decision-making skills** by **managing diverse game situations**, ensuring fairness and integrity across various levels of competition (Recreational U18, Competitive, Adult League, and OPDL).
- **Enhanced communication and teamwork abilities** by collaborating with coaches, players, and other officials to maintain a positive playing environment.

PROJECTS

Movie Recommendation System   **Mississauga, Ontario**
Sole Creator   *Oct 2024*
- Developed a **Movie Recommendation System** that achieved **90% accuracy** in personalized recommendations using **collaborative** and **content-based filtering** techniques, enhancing user experience by tailoring movie suggestions based on **user preferences** and **viewing history**.
- Employed **data preprocessing** and **machine learning** techniques to clean and model **10,000+ data entries**, showcasing proficiency in **Python**, **Pandas**, and **scikit-learn** libraries for data-driven solutions.

Oakland, CA Weather Prediction Model   **Mississauga, Ontario**
Sole Creator   *Oct 2024*
- Developed a predictive model for **Oakland, CA**, using **Ridge regression** in **scikit-learn**, achieving **over 99% accuracy**
- Conducted advanced **data preprocessing** and **feature engineering** with **pandas**, enhancing prediction accuracy by refining historical temperature and precipitation metrics.

Portfolio Website   **Mississauga, Ontario**
Sole Creator   *Nov 2023 - Dec 2023*
- **Responsive and Optimized Performance:** Developed a portfolio website using HTML, CSS, and JavaScript, incorporating over **10 interactive design elements** with an average loading time **under 2 seconds.**
- **Cross-Device Accessibility**: Designed the site for seamless browsing on mobile, tablet, and desktop, ensuring professional presentation and visibility across devices.

ACTIVITIES AND LEADERSHIP

MP Alghabras Mississauga Centre Youth Council   **Mississauga, Ontario**
Council Member   *Feb 2023 - Dec 2023*
- **Council Member** on MP Alghabra's Mississauga Centre Youth Council (Feb - Dec 2023), discussing youth-centric issues and initiatives.
- **Collaborated with MP Omar Alghabra** to develop impactful initiatives for the Mississauga Centre community, demonstrating leadership and advocacy skills.

SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript

AWARDS

Reuben Wells Leonard Scholarship
University of Toronto - University College   *Oct 2024*