

# Haaris Yahya

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<https://github.com/haarisyahya>

## EDUCATION

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**Brock University** | *Honours Bachelor of Science in Computer Science*

September 2020 – June 2023

- GPA: 4.0/4.0, nominated currently for 50 financial awards based on merit.

**McMaster University** | *Honours Bachelor of Science in Life Science*

September 2015 – June 2019

- GPA: 3.3/4.0, graduated with Honours and in the Deans Honour's List

## PROJECTS

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### Chess

- Constructed a fully functional Chess program that uses alpha-beta pruning and the Minimax algorithm for the AI in Java.
- Successfully programmed 2 levels of difficulty (depth = 2 & depth = 4) using Linked Lists.
- Implemented a GUI using Java libraries such as *java.awt* & *java.swing*, allowing for improving the output of the program and provides full functionality

### Parity Checker

- Trained a standard feed forward neural network to act as a parity checking in Java.
- The backpropagation algorithm is used to train a standard feed forward neural network for some number of epochs.
- The program outputs the networks output value for each training example and mean squared error for the data set.

### Internal Website

- Designed and deployed a full stack internal website for the Judicial Information Technology Office (Attorney General) at the Ontario Public Service using ASP.NET, C#, SQL server, Postman, a REST API, ReactJS, CSS and HTML.
- The website reads data from a SQL server database and filters through it to display the data that is required.
- The website updates, deletes and adds new entries in the database as well using the REST API, the backend (.NET) and the frontend (ReactJS, CSS, HTML)

Additional projects include **RoboRace Game**, Maze solving using Graphs, Book Cypher Encryption using Arrays, sorting algorithm analysis, and recursion. Additionally, a **Connect4** game made using the Minimax algorithm.

All available on my **GitHub** profile: <https://github.com/haarisyahya>

## EXPERIENCE

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### Software Systems Intern

May 2022 – September 2022

Ontario Public Service | Toronto, ON

- Completed a project that involved developing a full-stack application and included migrating a Microsoft Access database to an on the cloud SQL server and then using ASP.NET, C#, ReactJS and other front-end technologies to create an internal website.
- Completed work on enhancing and updating the Ontario courts websites using front-end technologies.
- Support staff with researching and writing feasibility studies, including cost/benefit analyses, business requirements, business cases, etc.
- Provide support on system integration analysis or user acceptance testing (UAT).
- Investigate and prepare alternative options and recommend business solutions.

### Branch Account Executive/Lending Specialist

December 2019 – July 2021

Fairstone Financial | Oakville, ON

- Increased revenue and exceed net new cash targets for the branch by 125% every month, increasing revenue each month

- Developed a curriculum for teaching and training new hires
- Spearheaded the training of 3 new hires that are now exceptional employees in their branches.
- Prevented risk to a portfolio of over \$2.8M by utilizing fraud protection techniques.
- Met delinquency and sales targets by over 100% every month consistently for more than a year.
- Increased client base by 50% by marketing efficiently.
- Streamlined various collection methods to collect monthly payments to decrease loss to the company by 30% each month.

#### Key Accomplishments:

- Recognized as an exceptional new hire and received an award for having the highest insurance products sales in all of Canada.
- Consistently kept my branch in the top 3 branches of the year for the past 2 years.

## **SKILLS**

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**Languages:** Python, Java, HTML, CSS, MIPS Assembly, C, ReactJS, JavaScript, English, Urdu, Punjabi, Hindi,

**Tools:** Node.js, LaTeX, MySQL, SQL Server, Postman, jQuery, Bootstrap, MATLAB, MAPLE, MINITAB, Microsoft Office, REST APIs, .NET APIs, Mobile Application Development (Android), Android Studio, Visual Studio, Visual Studio Code, Gradle, Emulator, Azure

Strong analytical, interpersonal, verbal, written & communication skills (English & Urdu).

Strong knowledge in artificial intelligence, data structures and algorithms.

Strengthened teamwork skills while collaborating with peers in problem-based learning settings, in the classroom and workplace.

Extremely capable of meeting tight deadlines & experienced in working with various environments under pressure.

Strong ability to lead and foster discussion, in 4 languages (Urdu, English, Hindi and Punjabi).

Extremely proficient in computer software programs i.e., Microsoft Office & Python.

4-5 years of experience in customer service & sales therefore, vast experience in dealing with customer/students.

Exceedingly adaptable & versatile.