# Hamzi Farhat

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## EDUCATION

**Ontario Tech University** — Sep. 2021 – Jun 2025
*Bachelor of Engineering in Software Engineering* — *Oshawa, ON*

**Caribbean International School** — Sep 2008 – Jun 2021
*Bachelor of Business, Science, and Liberal Arts* — *Colon, Colon*

## EXPERIENCE

**IT Support** — May 2024 – Sep 2024
*Caribbean International School* — *Margarita, Colon*

- Provided technical support for hardware, software, and networking issues across the school, reducing downtime and improving student and employee productivity.
- Performed routine system maintenance, software updates, and patch installations to ensure system integrity and security.
- Supported onboarding/offboarding processes including account creation, hardware setup, and security permissions.

**International Student Leader** — May 2023 – Sep 2023
*Ontario Tech University* — *Oshawa, ON*

- Acted as a mentor and primary point of contact for new international students, helping them transition into university life in Canada.
- Facilitated orientation sessions, campus tours, and cultural workshops to promote student engagement and inclusion.

**Sales Associate** — May 2020 – Aug 2020
*Las Vegas S.A.* — *Free Zone, Colon*

- Highly motivated sales associate with extensive customer service and sales experience.
- Diligent about keeping merchandise presentable to maximize business appeal and revenue.

## PROJECTS

**Invasive Species Detection AI** | *Python, React, JSON* — Sep 2024 – Apr 2025

- Developed and trained a YOLOv5 deep learning model to detect invasive species in images and video feeds with high accuracy.
- Integrated computer vision techniques to classify and track species, mapping them with their scientific names.
- Utilized Python and automation scripts for data preprocessing, model deployment, and error handling.

**Language Learning Companion AI** | *Python, JavaScript, React, HTML, CSS* — Feb 2025 – Mar 2025

- Developed a language learning companion AI using OpenAI to enhance user engagement through interactive lessons.
- Integrated romanization, translation, and text-to-speech functions to ease the learning experience for all users.
- Included various activities such as word matching, conversation and reading comprehension for better user experience.

**Distributed Music Library Application** | *JAVA* — Nov 2024 – Dec 2024

- Designed and implemented a distributed system to manage and stream music files across multiple nodes.
- Utilized Java RMI for remote method invocation and socket programming to handle inter-node communication.
- Developed a user-friendly interface for browsing, uploading, and downloading music files in a peer-to-peer network.
- Implemented file replication, fault tolerance, and consistency mechanisms to ensure reliability and availability.

## TECHNICAL SKILLS

**Languages**: Python, Java, C/C++, SQL, JavaScript, HTML, CSS, JSON, JAVA
**Frameworks**: Node.js, JUnit,
**Developer Tools**: Git, VS Code, Intellij IDEA, Ubuntu, MongoDB, React, YOLOv5