

# Asfi Hassan

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## EDUCATION

### University of Windsor

*Bachelor of Computer Science with Honour's*

Windsor, ON

*Sep. 2023 – Present*

## CERTIFICATIONS

### Certified Python Developer

Dec. 2024

*W3Schools*

- Completed comprehensive Python programming courses and exams.
- Gained proficiency in Python fundamentals and programming concepts.

### Certified Java Developer

Dec. 2024

*W3Schools*

- Successfully passed Java programming certification exams.
- Demonstrated knowledge in Java programming and OOP principles.

### Certificate of Continuing Education Completion

July 2024

*Cybrary*

- Completed 16 CEUs/CPDs in CISSP training courses.
- Developed foundational understanding of information systems security.

## PROJECTS

### Employee Management System | *Python, SQLite, VS Code*

Dec. 2024

- Developed a Python application to manage employee records using an SQLite database.
- Implemented CRUD operations for storing and updating employee details.
- Designed a menu-driven interface for streamlined database interactions.

### Socket Messaging System | *C, VS Code, Unix/Linux (Cygwin)*

Nov. 2024

- Developed a multithreaded chat server handling concurrent client communication.
- Implemented message broadcasting and connection management using mutex locks.
- Designed scalable solutions for efficient real-time messaging.

### WestEnd | *HTML, CSS, JavaScript, Stripe, VS Code*

April 2024 – Present

- Built a fully functional e-commerce website with secure payment integration using Stripe.
- Designed interactive product galleries and responsive store pages.
- Enhanced user engagement with seamless browsing and checkout experiences.

## EXTRA-CURRICULAR ACTIVITIES

### Volunteer | *Windsor Public Library*

June 2022 – Aug. 2022

- Helped over 10 children explore STEM concepts through robotics and programming games.
- Organized daily activities fostering creativity in technology and robotics.
- Received positive feedback from participants and staff for inspiring curiosity in STEM.

### Technician / Programmer | *FIRST Robotics Team*

Nov. 2021 – April 2022

- Enhanced the robot's autonomous functionality, earning judges' recognition in competitions.
- Programmed and optimized the robot for competition readiness.
- Collaborated with peers to improve robot precision for local and regional contests.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, SQL, HTML/CSS, JavaScript

**Tools:** Git, Docker, VS Code, Vim, PyCharm, Eclipse

**Operating Systems:** Windows, Unix/Linux (Ubuntu, Cygwin)