

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

Java Expense Tracker | *Java, HTML, CSS VS Code, OOP Concepts*

Jan. 2025

- Developed a Java-based application to track income and expenses, categorized by type.
- Implemented dynamic balance calculations and category-based summaries.
- Utilized Object-Oriented Programming (OOP) principles for modular and maintainable code.

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)