Sami Nachwati

sami.nachwati@mohawkcollege.ca | linkedin.com/in/sami | github.com/sami | portfolio

EDUCATION

Mohawk College of Applied Arts & Technology   September 2022 – Present

Advanced Diploma in Computer Systems Technology - Software Development (GPA 86)   *Hamilton, ON*

Expected Graduation: December 2025

Relevant Courses

Data Structures & Algorithms, Object-Oriented Design, Software Development Tools & Practices, Client-Side Web Programming, Systems Analysis & Design

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL, C#, PHP, HTML & CSS
Tools/Technologies: ASP.NET, React, Node.js, Bootstrap, GitHub, Visual Studio Code
Other: Software Development Lifecycle, Data Structures & Algorithms

EXPERIENCE

Coding Assistant   May 2023 – Aug 2023

Mohawk College of Applied Arts & Technology   *Hamilton, ON*

- Engineered **Python**-based solutions for discrete math problems, serving as solution samples for **100+ students** while significantly reducing **Professors' manual workload by 5+ hours weekly**
- Effectively **presented** intricate **Python-coded** discrete math solutions to a Professor, **elucidating code logic** and application outcomes to enhance **comprehension and academic collaboration**
- **Documented** and **modularized 1200+ lines of Python code**, showcasing a keen focus on quality
- **Debugged** and **enhanced 50+ Python scripts weekly**, resulting in an average of **30% increase in execution speed**
- **Developed** and **integrated 15+ discrete math quizzes** with HTML & CSS, demonstrating creative thinking and attention to detail

PROJECTS

QueryRealm | *C#, .NET, SQL*   December 2023

- **Built** a **C# Program** through **.NET** which retrieves and queries specialized data from a DoctorWho Themed Database, demonstrating **advanced data manipulation** and **retrieval techniques**

WeatherAPI | *HTML, CSS, JavaScript (JSON)*   May 2023

- Developed a web application integrating a weather forecasting API, achieving **97% forecast accuracy** through the use of **advanced JSON parsing techniques** to extract and process real-time weather data

RainDash | *HTML, CSS, JavaScript, SVG, Bootstrap*   March 2023

- Developed **JavaScript event handlers** for complex **SVG collision detection** between player and objects, contributing to **seamless** and **interactive** gameplay

LEADERSHIP

Camp Counselor   June 2019 – July 2019

Muslim Association of Hamilton   *Hamilton, ON*

- Effectively **communicated** and **supervised** groups of **25-30 camp members**, providing guidance and support for a positive experience
- Diligently ensured safety and well-being through daily checks, fostering a secure and inclusive environment for **50+ campers**
- Pioneered and tailored engaging recreational activities for campers, **fostering a 99% participation rate and enthusiastic engagement**