

Kareem Sawtari

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Education

University of Windsor | Bachelor of Science in Computer Science Windsor, ON | **Sep 2020- April 2024**
With Specialisation In Software Engineering(Honours)
• Coursework: Data Structures/Algorithms, Software Engineering, Databases, Operating Systems, Web Development, Cloud Computing

Experience

SCIGLOB LLC. Columbia, MD | **April 2024 - Sep 2024**
Software Engineer Intern

- Collaborated with NASA and ESA experts on the Pandonia Global Network to advance atmospheric research and remote sensing innovation.
- Developed integration and visualization interfaces for 10-DOF sensor modules, simulating embedded system diagnostics.
- Designed a GUI to display live camera feeds with adjustable settings, including zoom options, organised into three main sections: Feed, Camera Settings, and Zoom Options
- Built RESTful APIs for controlling hardware modules and handling live sensor data.
- Collaborated with hardware engineers and researchers to ensure data fidelity and seamless system interaction.
- Collaborated on backend logic for real-time camera feeds and sensor fusion systems (AHRS/INS).

SEMPER CAPITAL LTD. Toronto, ON | **Jan 2023 - April 2023**
Web Developer Intern

- Developed dynamic web pages using JavaScript and integrated backend functionality with SQL databases.
- Styled UI components using HTML and CSS, following UX feedback to improve user flow and accessibility.
- Participated in feature planning and code reviews, contributing to clean, modular front-end and back-end logic.
- Maintained clean and efficient code, aligning with Agile workflows.

Skills

- **Languages:** C#, SQL, JavaScript, Python
- **Frameworks:** .NET Core, Entity Framework, ASP.NET
- **Databases:** Microsoft SQL Server, PostgreSQL
- **APIs:** RESTful API Design, Swagger/OpenAPI, Postman
- **Concepts:** Backend Optimization, Third-Party Integration, Stored Procedures, Data Reporting

Certifications

AWS Certified Machine Learning - Associate April 2025
• Skilled in designing and deploying ML solutions using AWS tools like SageMaker, with a focus on automation and scalability.

AWS Certified AI Practitioner Feb 2025
• Proven expertise in AI/ML fundamentals and AWS AI services for scalable solutions.

AWS Certified Solutions Architect – Associate Nov 2024
• Validated ability to design and implement secure, scalable, and cost-efficient cloud architectures on AWS, following industry best practices and the Well-Architected Framework.

AWS Certified Developer – Associate Sep 2024
• Demonstrates proficiency in developing, deploying, and debugging cloud-native applications on AWS using core services, best practices, and modern CI/CD workflows.

AWS Certified AI Practitioner June 2024
• Proven Foundational knowledge of AWS cloud concepts, services and use cases

Project

AI-Powered Job Hunting Assistant

- Built an AI-powered job application optimizer using Amazon Bedrock and CrewAI, coordinating multiple autonomous agents to analyze job postings, personalize resumes, and generate interview prep tailored to candidates' strengths and roles.