

Hanzalla Naveed

905-922-8771 | Oshawa, ON | hanzallanaveed2001@gmail.com | [LinkedIn](#) | [GitHub](#)

Skills

Languages: JavaScript, Python, SQL, HTML, CSS, Java, C#, C++, PHP, DAX, VBA, Perl.

Technologies: Linux, Git, Docker, Kubernetes, MySQL, MongoDB, Node.js, Azure DevOps, Bootstrap, jQuery, Angular, Express.js, Power BI, PowerShell, JUnit, Entity Framework, Blazor.

Education

Bachelor of Engineering - Software Engineering

September 2020 - April 2025

Ontario Tech University, Oshawa, ON

Courses: Artificial Intelligence, Software Quality, Data Structures & Algorithms, User Interfaces, Computer Networks.

Professional Experience

Cyber Security Student

May 2024 - Current

Canadian Nuclear Laboratories – Fredericton, NB

- Developed a Full-Stack Maturity Model Application using **Blazor**, **JavaScript**, **HTML**, **CSS**, **C#**, **REST APIs**, **Entity Framework**, while applying **Scrum** principles to empower critical infrastructure entities with tailored cybersecurity solutions and metrics.
- Conducted research on an ethical hacking and vulnerability detection tool: **Wi-Fi Pineapple**, to audit Wi-Fi networks and perform **penetration tests**, enhancing Operational Technology security and maturity.
- Implemented Cyber Security policies and procedures in alignment with **NIST** and **CSA** frameworks to enhance organizational security posture and maturity.
- Collaborated with stakeholders to implement cybersecurity tools, enhancing Operational Technology security.

Software Engineering Intern

May 2023 – May 2024

Ontario Power Generation - Bowmanville, ON | Pickering, ON

- Developed an advanced Darlington Fuel Handling Simulator using **JavaScript**, **HTML**, **CSS**, resulting in a successful integration into the Fuel Handling Classroom and significantly elevating the training experience for nuclear operations.
- Developed multiple dashboards for the Simulator Section utilizing **Python**, **DAX**, **SQL**, and **Power BI**, incorporating **Agile Methodology**, resulting in enhanced workflow optimization.
- Refactored the Reference Page of the Simulator Internal Website using **HTML**, **CSS**, **Angular** and **Bootstrap UI**, resulting in an enhanced user experience.
- Orchestrated and executed a targeted campaign to showcase the Darlington Fuel Handling Simulator, resulting in the successful engagement of over **500** OPG Power Expo attendees.

Projects

Content-Based Image Retrieval

- Designed and developed a Barcode Generator algorithm using **Python**, that converts images into radon barcodes, enabling a search algorithm to retrieve matching images from the dataset with an 85% success rate.

Wordle

- Designed and developed a word guessing game that allows the user to guess the generated word using **HTML**, **CSS**, **JavaScript**, **Node.js**, and **Express**, incorporating asynchronous **API** calls.