Mohamed Elsaban

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EDUCATION

Carleton University Ottawa, ON
Bachelor of Computer Science Co-op (Cybersecurity) *Sep 2023 – Apr 2028*
- President's Scholarship.

Relevant Coursework: Programming in Python, Programming in Java (OOP), Systems Programming, Web Applications, Cryptography, Symbolic Logic, Data Structures, Discrete Math, Software Engineering

EXPERIENCE

Risk Management Coordinator Oct 2024 – Present
Office of Risk Management, Carleton University *Ottawa, ON*
- Collaborated with **cybersecurity leadership** to interpret frameworks and streamline notification processes, fostering a stronger incident response strategy.
- **Developed cybersecurity incident notification guidelines** by conducting in-depth research and utilizing propositional logic to align official reports with Carleton University's unique environment.
- Proactively engaged with the Computer Security Division at the **National Institute of Standards and Technology** (NIST) to gather insights on frameworks, ensuring alignment with industry best practices and tailoring solutions to organizational needs.
- Conducted **targeted investigations** using publicly available resources and tools to gather specific information, supporting decision-making and enhancing notification methods.
- **Handled sensitive data** with discretion and professionalism while supporting risk management initiatives.

Contract Web Developer Apr 2024 – Jul 2024
Second Wave Boutique *Kincardine, ON*
- **Designed and developed** a boutique-style fashion store website using HTML, CSS, and JavaScript, delivering a clean and visually appealing user experience tailored to the client's brand.
- Collaborated through **pair programming** to ensure seamless implementation of design and functionality.
- Optimized the website for **search engines (SEO)**, resulting in a **30%** increase in organic traffic and significantly enhancing the boutique's online presence.
- **Maintained and updated** the website post-launch, implementing client-requested changes to services and ensuring the site remained up-to-date and functional.

PROJECTS

Carleton University Environmental Health and Safety Web Form
- Redesigned a 13-page manual form into a streamlined, user-friendly web form, **significantly improving accessibility and usability** for Environmental Health and Safety workflows.
- Developed an expandable and collapsible interface using HTML, CSS, and JavaScript, allowing users to navigate sections more efficiently and **reducing form completion time** by **46%**.
- **Integrated Flask** for backend functionality, enabling seamless handling of dynamic form operations.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C/C++, HTML, CSS
Technologies: Node.js, Express.js, Flask
Developer Tools: Git, Docker, MySQL, VS Code, IntelliJ
Cybersecurity & Intelligence Tools: OSINT Framework, theHarvester, Shodan, Hashcat, John the Ripper, Wireshark, Nmap, Burp Suite, Metasploit Framework, Kali Linux

EXTRACURRICULAR ACTIVITIES

Carleton Aerospace Astrophysics Radio Club (CA2RC) Jan 2024 – Present
Command and Data Handling Team *Ottawa, ON*
- Collaborated with a cross-functional team of engineers to design, program, and assemble a **1U high-altitude balloon satellite**, utilizing C++ to collect atmospheric, gravitational data during a solar eclipse.
- Executed CA2RC's first **successful stratospheric balloon launch**, reaching an altitude of 30 km and capturing critical scientific measurements.