AYAAN PATEL

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OBJECTIVE

Motivated Computer Science graduate adept in cybersecurity and software development, aiming to leverage a comprehensive skill set in programming, security analysis, and system design to develop secure, scalable software solutions. Eager to contribute to a forward-thinking team by implementing best practices in security and development to drive technological innovation and safeguard digital assets.

EDUCATION

BA in Computer Science with Honors, York University　　　　　　　　　　　　　　　　　*Jan 2020 - Apr 2023*
Organizations/Awards: International Award of Merit (1000), Undergraduate Award (5000), Lassonde Security Club.

SKILLS & INTERESTS

Technical Skills: Python | Java | C++ | C | SIEM | Project Lifecycle Management | SQL Server | Incident Response | Unix | Networking | Active Directory**|** Microsoft Office | Selenium | virtualization | Hardware | Cloud Computing | bash | web technologies| Data Analytics | web services

Certifications: CompTIA Security+ 601 | Google Cyber Security Professional | AZ-500: Microsoft Azure Security Technologies | Linux Administration

Soft Skills: Communication skills | Customer Service | Analytical and Problem Solving | Adaptability | time management | continuous learning.

WORK EXPERIENCE

Frost & Sullivan　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Toronto, ON**
Information Security Consultant - Internship　　　　　　　　　　　　　　　　　　　*Aug 2023 – Oct 2023*
- Employed **Python scripting** and web crawling techniques to conduct in-depth market research on 50+ information security and information technology companies, generating 8 insightful articles that significantly impacted strategic decision-making regarding technology business analysis and trends.
- Facilitated 16 client meetings, delivering customized solutions to 6 clients, enhancing cross-functional team collaboration via **Jira and Confluence**, and employed **Power BI** for impactful data visualization to enterprise clients.
- Advanced problem-solving by creating business analysis frameworks with **Excel, SQL, and Python**, driving strategic insights and decision-making.

Sherlock Research Team, York University　　　　　　　　　　　　　　　　　　　**Toronto, ON**
Threat Intelligence Research Assistant　　　　　　　　　　　　　　　　　　　　　*Jan 2023 – Apr 2023*
- Investigated threat intelligence alternatives for specific use cases, improving threat detection accuracy by 25% through credible data-driven analysis.
- Improved data quality by 30% using web crawling to gather and analyze threat intelligence-related data.
- Demonstrated a strong understanding of git for version control, technical documentation practices, and proficiency in **Python, MongoDB** integration, web scraping techniques, while also integrating DevOps tools like **CI/CD pipeline** for continuous improvement and automated testing contributing to a 20% faster project completion.

York International　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Toronto, ON**
Website and Social Media Assistant　　　　　　　　　　　　　　　　　　　　　　*Jun 2022 - Apr 2023*
- Revamped York International's website, employing **React and Next.js for front-end development and UI/UX, MySQL for database and Java for back-end development,** this full stack implementation resulted in a 30% improvement in page load time, and a 16% reduction in infrastructure costs.
- Boosted lead generation by 25% and reduced marketing costs by 15% through strategic digital marketing initiatives e.g**. SEO Optimizations** and email campaigns, utilizing **Power BI for insightful data visualization and data analysis.**

Munich RE　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Toronto, ON**
Project Management Co-op　　　　　　　　　　　　　　　　　　　　　　　　　　*May 2022 - Aug 2022*
- Managed 2 application development projects, utilizing tools such as **Power BI, Microsoft Flow, SharePoint, and Microsoft Forms** using Agile and Scrum Methodologies and software development life cycle (SDLC), with teams of over 10 members within a 4-month period with focus on **IAM**.
- Facilitated the seamless transition of management and their respective teams to SharePoint platforms through strategic change management practices by conducting training sessions and creating written manuals for 6 regions and over 30 members worldwide.
- Managed the team's standardization efforts utilizing business analysis and compliance management ensuring synchronization of artifacts with **LeanIX and ServiceNow based CMDB** to ensure a clean user experience and use interface.

LEADERSHIP EXPERIENCE

York International Orientation　　　　　　　　　　　　　　　　　　　　　　　**Toronto, ON**
Mentor and AV/Host/Setup Lead　　　　　　　　　　　　　　　　　　　　　　　*Aug 2022 - Sept 2022*
- Facilitated a university-wide event with 1200+ participants, spanning 3 days and featuring 10+ events across various locations, providing analytical support with cross functional teamwork to help troubleshooting problems encountered during the event and provide customer service.
- Utilized my entrepreneurial spirit and interpersonal skills to effectively market the event, leading to a 25% increase in daily sales from 300 to 400+.

PROJECTS

Secure Help Desk Application
- Successfully developed a secure service desk web application hosted on **Amazon Web Services (AWS)**, employing front end technologies like **HTML, CSS, AJAX, and JavaScript**, and **Java Servlets, SQL, and REST API** on the back end, providing ticketing with secure technical support over a public network by conducting security assessments and penetration testing, using various tools including **THC-Hydra, John the Ripper, Burp Suite etc.** to identify and mitigate potential vulnerabilities such as password cracking, CSRF, SQL injection attacks, and XSS attacks.

E-Commerce Web Application Development and Security Management
- Spearheaded the development of an e-commerce web application, by leveraging **HTML, CSS, JavaScript, and Java EE** within Eclipse IDE, integrating user authentication, product browsing, and secure transactions. Ensured architectural integrity through a **3-tier architecture and MVC pattern**, while also implementing rigorous security measures including **input validation and password hashing** to protect against XSS and SQL injection threats.