

# Cathleen San Buenaventura

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<https://cathleensanbuenaventura.github.io/portfolio/>

## Education and Certifications

### Carleton University

Expected 2026

### Computer Science B.C.S. Honours, Cybersecurity Stream

Ottawa, ON

- *Relevant coursework:* Data Structures and Algorithms, Web Development, Systems Programming, Database Management, Business, Operating Systems, Discrete Mathematics, Software Engineering, Cryptography

### CompTIA Security+ ce (SYO-701)

Certified Sept. 2025

- *Validated skills* in Threat Detection and Management, Security Operations, Security Architecture, Access Control, Network Security, Firewalls, Risk Assessment, Incident Response across hybrid environments, TCP/IP

## Work Experience

### Cybersecurity Analyst Intern

Apr. 2025 - Aug. 2025

*Zummit Infolabs*

Remote

- Co-developed a client-facing infrastructure security architecture integrating and learning about WAFs, VPNs, microservices, encryption controls, and edge protection (cloudflare) aligning with modern cybersecurity best practices.
- Conducted real-time packet capture using Wireshark and npcaps tools, uncovered potential threats, and delivered a well-documented findings and mitigation recommendation strategies using the STRIDE and OWASP Top 10 standards.

### Barista

Apr. 2023 - present

*Starbucks Corp.*

Ottawa, ON

- Ensured accuracy and compliance in all transactions while maintaining operational protocols, reinforced excellent communication and teamwork, as well as, implemented efficient strategies to reduce customer wait times.
- Resolved customer service challenges while maintaining a calm, solution-oriented approach under pressure; Addressed operational issues swiftly to minimize disruptions during peak hours, ensuring optimal workflows.

### Front-Desk Receptionist

Nov. 2022 - Apr. 2023

*Kanata Dental Centre*

Ottawa, ON

- Maintained confidential patient records with strict data privacy compliance and implemented efficient systems.
- Provided excellent front-line support, ensuring clear communication with patients and staff.

## Technical Projects

### SIEM | Splunk

- Built and monitored a custom SIEM pipeline to detect brute-force attempts, anomalous logins, and unauthorized access using Splunk queries and dashboards; a SIEM pipeline built to collect, index, and monitor security logs.
- Configured inputs and designed alerts for incident correlation and real-time threat detection.

### Cloud Security | AWS *(in progress)*

- Configured IAM users, roles, and policies to apply the principle of least privilege access across users and services.
- Deployed a secure EC2 instance and implemented firewall rules using AWS Security Groups.
- Monitored access logs via CloudWatch and simulated incident response using IAM access alerts.

### Vulnerability and Packet Analysis | Wireshark, Nmap

- Captured and analyzed live network packets to detect anomalies, ARP spoofing, and DNS tunneling attempts.
- Performed vulnerability scans with Nmap to detect open ports, weak configurations, and exposed services, and cross-referenced results against known CVE databases for remediation insights.

## Technical Skills

**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript

**Tools & Libraries:** Splunk, Wireshark, Metasploit, Git, Github, VS Code, Windows, Linux (Fedora)

**Frameworks:** Node.js, Next.js, Express, Bootstrap, Libcap/tshark, Gophish