

Sethavan Sen

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EDUCATION

British Columbia Institute of Technology

Jan 2022 - Dec 2023

Diploma in Computer Information Technology

Vancouver, BC

Coursework: Assurance and Security, Database Administration, Cloud Computing, Web Server, Windows Server Administration

Coursera

Dec 2023

Google Cyber Security Certificate

Coursework: Manage Security Risks, Threats and Vulnerabilities, Detection and Response

British Columbia Institute of Technology

Sept 2024 - Present

Bachelor of Technology in Digital Forensics/Cybersecurity

Vancouver, BC

Coursework: Cybersecurity, Digital Forensics & Evidence Imaging, Cloud Digital Forensics, Forensics Applications of Criminal Law, Critical Reading & Writing

SKILLS

Analysis & Visualization: Tableau, Microsoft Excel, Visio

Programming Languages: SQL, Python, JavaScript, Bash

Database Management Systems: MySQL, MongoDB, MSSQL, PostgreSQL

Systems: Linux, Windows, MacOS, Virtual Machines, Servers

Network: LAN/WAN, DHCP, DNS, TCP/IP, VPN, Routing, Firewalls, Network Models, Wireshark

Cybersecurity: Threat Analysis and Risk Assessment, Incident Response, Security Policies and Compliance, Network Security

Languages: English & Khmer

EXPERIENCE

BCIT Learning & Teaching Centre

Jan 2023 - May 2023

Web Development

Vancouver, BC

- Successfully finished a four-month student project, aiding in the development of a preceptor scheduling app for nursing students using React, Docker, NodeJS, SQL and GitLab.
- Engaged in weekly peer code reviews with my team and senior developers, pushing updates to GitLab
- Contributed to both front-end and back-end development of a system that tracked nursing student locations, time and days for their preceptorship.

ZipTech

Sept 2023 - Dec 2023

Continuous Integration and Continuous Delivery (CI/CD)

Vancouver, BC

- Successfully completed a four-month student project, contributing to writing test scripts along senior developers using Cypress and Github
- Actively participated in weekly code peer reviews, gaining valuable feedback and ensuring code adherence to best practices.
- Assumed the role of Scrum Leader, effectively leading the team and conducting agile methodology-based meetings

Projects

Network Packet Analysis and Spoofing Term Project | Wireshark, Networking

Dec 2023

- Captured and analyzed specific types of network traffic, enhancing threat detection capabilities.
- Explored spoofing techniques with Python scripts, gaining insights into potential security threats like IP address spoofing.
- Evaluated the impact of network attacks on legitimate communications using Wireshark

Digital Forensics Case Study | Digital Forensics and Evidence Imaging

Nov 2024

- Investigated a simulated security breach, conducting a full forensics analysis using industry-standard tools like EnCase
- Acquired forensic images from multiple device types, including desktop computers and mobile phones, following proper evidence collection and chain of custody protocols
- Recovered deleted data, performed RAM acquisition
- Presented detailed, court-acceptable reports documenting each step of the acquisition and analysis process

LEADERSHIP & AWARDS

- Placed 3rd place in CyberSci Cyber Security Competition by completing multiple cybersecurity/hacking oriented challenges
- Set Rep for BCIT CIT Class of 2023, advocated for students concerns and informed them of events and information