Prabin Shrestha

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Portfolio : goldeneye10.github.io |

EDUCATION

Thompson Rivers University   Kamloops, BC
B.S. in Computer Science   *Graduation: January 2025*
Relevant Coursework: Advanced Database System, Calculus , Operating Systems , Data Structure and Algorithms, Computer Networks, Statistics, Advanced Web development, Cryptography, Computer Network Security, Artificial Intelligence, Quantum Mechanics, Prof/Ethical Issues in Comp Science, Advanced Mobile App Development

PROJECTS

Blue Team Labs Online (BTLO) |
- Completed various labs and challenges that covered topics such as log analysis, digital forensics, network defense, and malware analysis, enhancing technical proficiency and analytical skills.
- Utilized tools and technologies such as [SIEM solutions, Wireshark, Volatility, etc.], gaining practical experience in their application for cybersecurity defense.

Network Traffic Visualizer |
- Developed a comprehensive tool integrating Wireshark for packet capture, Python for data processing, and Google Maps for visualization.
- Mapped source and destination IPs from .PCAP files, geolocated them, and visualized network traffic flows in real-time on Google Maps.
- Implemented features such as IP name display on Google Maps, IP address flagging, and terminal alerts for IPs detected outside the region.
- Enhanced the tool for anomaly detection by color-coding traffic lines based on continents, aiding in threat detection and streamlined investigations.

Xola Booking Automater App |
- Developed Node.js application to process Xola webhook data for managing bookings, integrated with PostgreSQL for Storing data and cost-effective hosting solution on Digital Ocean as a final project for our client Canadian Parks and Wilderness Society(CPAWS)
- Ensured compatibility with Saltcorn for frontend integration, facilitating smooth data handling, manipulation and display.
- Implemented robust error handling, duplicate prevention, database rollback and transactional consistency.
- Technologies: Node.js, Express.js, PostgreSQL, Saltcorn, Ngrok, Docker, Github.

CERTIFICATIONS

- **Security+ Syo-701 (CompTIA)**
- **Blue Team Labs Level 1 (BTL1)**
- **Network Defense Essentials (NDE)**
- **Digital Forensics Essentials (DFE)**

EXPERIENCE

Tech Specialist   May 2023 - Still Working
London Drugs   *Vancouver, BC*
- Worked independently to advise clients on specific products and services throughout the Computer, Audio Video and Photo/Electronics departments.
- Stay up to date on new technology/products and attend product knowledge seminars.
- Provided comprehensive technical support to customers, including data transfer, computer troubleshooting, email password resets, mobile device setup, and account setup over phone and in store.

TECHNICAL SKILLS

Security Tools & Concepts: OWASP, API Security, IDS/IPS, VPNs, Splunk, Wireshark, Autopsy, ISO 27001
Programming Language: Python, Java, JavaScript, Ruby, NodeJS, C, Powershell
Penetration Testing Tools : Nmap, BurpSuite, Nessus, Mimikatz
Networking: TCP/IP, Firewall Management, Network Security Monitoring , Packet Analysis
Other Skills: Linux, Office 365, Git, Azure, Aws, Jira