

Kiran Sapkota

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Education

Bachelor of Science in Computer and Information Technology,
Minnesota State University, Mankato.

May 2027

Skills

Programming Languages: Java, Python, SQL, C#.

Operating Systems: Windows, Linux, Mac Operating Systems.

Software and Tools: Docker, AWS, Office 365, Virtual Box, GitHub.

Cybersecurity Skills: Network Security, Firewalls, Vulnerability Assessments, Incident Detection & Response, Threat Intelligence & OSINT, MFA, VPNs.

Experiences

Building Manager | CSU Operations

Minnesota State University, Mankato, MN

August 2023-Present

- Demonstrated rapid, methodical response to critical incidents, including server breakdowns and network outages, resulting in minimal downtime and uninterrupted university operations, reduced downtime by 23%.
- Documented daily security and technical incidents in detailed logs and ensured smooth operation of systems through consistent monitoring and follow-up.

IT Consultant | Bharatpur, Nepal

B. Tech Pvt. Ltd | Bharatpur, Nepal

June 2020 - July 2022

- Developed a diverse range of websites, incorporating industry-standard HTML and CSS for responsive, user-friendly interfaces, enhancing user engagement by 18%.
- Executed comprehensive testing and troubleshooting tasks to discover and resolve issues, ensuring a smooth user experience.
- Provided security recommendations based on audit findings, improving system defenses and stakeholder confidence.

Member of Cybersecurity Association of MNSU

Minnesota State University, Mankato

February 2025-Present

- Led and participated in weekly cybersecurity meetings, facilitating discussions on key security concepts, sharing industry-relevant terminology, and promoting peer knowledge exchange.
- Actively engaged in simulated attack scenarios to practice real-world defense techniques, enhancing both my technical skills and incident response capabilities.

Projects

Password Generator & Strength Analyzer Dashboard- Tools & Technologies: Python, Tkinter, regex, bcrypt.

- Developed a Python-powered interactive dashboard that generates strong passwords, checks their strength, saves them in a user-specified file, and allows secure retrieval when needed.

Domain Security Analyzer Web Application- Tools & Technologies: Python, Flask, Shodan API, HaveIBeenPwned API, VirusTotal API.

- Build a web application that analyzes domain names for security risks, including vulnerabilities, data leaks, and misconfigured services, using APIs like Shodan and HaveIBeenPwned.
- Enabled users to input a domain and retrieve critical security insights such as open ports, SSL certificate details, and breached credential databases.

Security Incident Response & Communication Exercise

- Participated in a mock incident response simulation to detect, analyze, and document security events such as unauthorized access attempts and malware alerts.
- Collaborated with peers to write incident reports detailing the timeline, root cause, and mitigation steps, ensuring clarity for technical and non-technical audiences.

Multi-Level Vulnerable Web Application for Ethical Hacking Practice- Tools & Technologies: HTML, PHP, Apache2, MariaDB, Kali Linux, Burp Suite, Wireshark

- Designed a vulnerable web app with escalating challenges to learn and help others practice SQL injection, brute force, and information gathering techniques.
- Configured and hosted the web app locally using Apache2 and MariaDB on a Kali Linux environment for fully offline security testing.

Certifications

Introduction to IT and Cybersecurity

- Completed training and earned certificate covering IT fundamentals and cybersecurity principles.

IT Bootcamp

- Focused on cybersecurity threats, risk mitigation, and introductory programming languages.