

SANDESH POUDEL

CONTACT



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sandesh



Budhanilkantha-13, Kathmandu

EDUCATION

BSc (Hons) Networking and IT Security

Islington College

2022 - present

London Metropolitan University

Kamal Marg, Kamalpokhari, Kathmandu

SLC

St Lawrence College

2019 - 2021

National Examination Board (NEB)

Gaurighat, Kathmandu

SEE

Sishu Milan English Higher

Secondary School

2016 - 2019

National Examination Board (NEB)

Budhanilkantha - 13, Kathmandu

TECHNICAL SKILLS

Programming & Web Development:

- Python, Java, HTML, CSS, JavaScript

Version Control:

- Git, GitHub

IT Support & Troubleshooting:

- System diagnostics, user support, hardware/software issue resolution

Network Security & Vulnerability Assessment:

- Nmap, Metasploit, Burp Suite Professional, Nessus, Nikto, Snort
- Firewall configuration, intrusion detection, and penetration testing

Networking, Switch & Router Configuration:

- Router and switch configuration (Cisco, Juniper)
- Network Address Translation (NAT), Access Control Lists (ACL)
- Secure Shell (SSH) setup and management
- Routing protocols: OSPF, BGP
- Virtual Private Network (VPN) setup (IPsec, SSL VPN)
- Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) configuration
- VLANs, STP (Spanning Tree Protocol), and EtherChannel
- Network monitoring and packet analysis (Wireshark, tcpdump)

Cloud & Virtualization:

- AWS Cloud (EC2, S3)
- Virtualization: VMware, VirtualBox

Operating Systems:

- Windows, Linux, macOS, Android

SOFT SKILLS

Analytical Thinking

Problem-Solving

Adaptability

Documentation Skills

Leadership Potential

Critical Thinking

Innovation

CAREER OBJECTIVE

IT Support professional and cybersecurity enthusiast with a strong foundation in network security, web application testing, and technical troubleshooting. Driven by a passion for threat hunting and blue team defense, I am eager to leverage my skills to proactively identify vulnerabilities, enhance security postures, and support robust incident response. Committed to continuous learning and contributing to a secure digital environment, I aim to further develop expertise in defensive security strategies to make impactful contributions to organizational security.

WORK EXPERIENCE

IT Support Intern

Kantipur Medis Group (KMG)

September 2024 - December 2024

- Provide technical support, troubleshooting network issues, software installations, and resolving hardware issues to ensure smooth operational workflows.
- Collaborate with cross-functional teams to enhance security protocols and improve system reliability.
- Conduct routine system maintenance and updates, enhancing network stability and reducing downtime by 20%.
- Document and track issues to improve response time for recurring technical challenges, enhancing overall team efficiency.

Cyber Security Consultant

ING Skill Academy

April 2024 - September 2024

- Conducted basic threat analysis, assisting in identifying potential security incidents, and contributing to a safer network environment.
- Created cybersecurity tools and delivered sessions to simplify security concepts for students and non-technical audiences, promoting secure practices.
- Oversaw and executed comprehensive cybersecurity demonstrations across various areas

ACADEMIC PROJECTS

P2P File Sharing Platform (NeoShare) - Final Year Project

- Designed and implemented a secure P2P file-sharing platform using Django, WebRTC, and WebSocket for real-time communication, enabling secure file transfers with AES-GCM encryption, ECDH key exchange, and SHA-256 checksum verification to ensure data integrity and confidentiality.
- Integrated Distributed Hash Table (DHT) using the Kademlia protocol to manage room metadata in a distributed network, ensuring scalability and fault tolerance with retry logic and bootstrap node integration.
- Enhanced security by integrating the VirusTotal API for file safety checks and implementing rate limiting to prevent abuse, improving platform reliability.
- Built a responsive, user-friendly interface with Bootstrap and custom CSS, featuring real-time user updates, notifications, and a file transfer dialog, ensuring cross-browser compatibility and seamless user interaction.
- Link: <https://github.com/lilsandesh/NeoShare>

Billing System for Laptop Shop

- Developed a Python-based billing system for managing sales and inventory, streamlining transactions and improving operational efficiency.
- Link: <https://github.com/lilsandesh>

BankGUI

- Built a graphical user interface for bank operations using Java, including features for account management, to simplify banking tasks.
- Link: <https://github.com/lilsandesh>

Cybersecurity Tools Demo

- Created and presented cybersecurity tools to educate students and non-IT audiences on basic cybersecurity concepts, fostering security awareness.
- Link: <https://github.com/lilsandesh>

Smart Car Parking System (IoT)

- Developed an IoT-based parking system using sensors to detect and display real-time slot availability. Integrated automated gate control to restrict entry when parking is full.

TRAINING AND CERTIFICATIONS

AWS Academy | AWS

- Cloud Foundations
- Cloud Operations
- Cloud Security Foundations
- Data Center Technician

References

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