

Sameer Sah

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Career Objective

Aspiring cybersecurity professional with hands-on experience in penetration testing using Kali Linux and vulnerability analysis looking for an opportunity. Skilled at identifying security gaps and developing practical solutions to strengthen defenses. Driven by a passion for protecting systems from cyber threats and continuously expanding expertise in network security and ethical hacking.

Education

BSc (Hons) Computer Networking & IT Security

2023 – Present

Islington College

London Metropolitan University

Kamal Marg, Kamalpokhari, Kathmandu

SLC (School Leaving Certificate)

2021 – 2023

Kathmandu Model Secondary School

National Examinations Board

Balkumari, Lalitpur

SEE

2021

Shree Baidyanath Devnarayan Janata Secondary School

National Examinations Board

Tulsiyani, Dhanusha

Skills

1. Technical Skills

- Linux Systems: Shell scripting, user management, cron jobs, systemd, SSH
- Penetration Testing: Recon, scanning (Nmap, Nessus), exploitation (Metasploit), web testing
- Risk Management: Risk assessment, threat modeling, mitigation, compliance (ISO/NIST)
- WordPress: Theme/plugin handling, security, SEO, performance, migration
- Network Security: Firewalls, VPNs, IDS/IPS, packet analysis, secure protocols
- Cryptography: Encryption (AES/RSA), hashing, digital signatures, SSL/TLS, key management

2. Soft Skills

Problem Solving, Communication, Team Collaboration, Attention to Detail

Academic Projects

DoS Attack Simulation: GoldenEye, Windows Server 2022, WireShark

Simulated a controlled Denial of Service (DoS) attack to demonstrate how network flooding affects server performance. Analyzed response times and server behavior under stress.

IoT-Based RFID Attendance System: Arduino IDE, C/C++, RFID Modules

Developed an automated attendance system using RFID technology and microcontrollers, enabling contactless student check-ins with real-time data logging.

Land Rental System: Python, VS Code, Python IDLE

Built a desktop application for managing land rental records, transactions, and reports. The system ensures secure storage and easy retrieval of rental data.

Personal Projects

Password Pwned Checker: React.js, Leaked Password Free API

Built a front-end tool that allows users to check if their passwords have appeared in known data breaches using the API.

IP Address Tracker: JavaScript, HTML, CSS, IP Geolocation API

Built a web application that tracks the geographic location of an IP address or domain name in real-time using an external geolocation API.

URL Shortener: React.js, TinyURL API

Developed a clean and responsive React application that generates shortened links.

Certificates

- [Jr Penetration Tester – TryHackMe](#)
- [White Hat Hacker and Pen Tester – Eduonix](#)
- [Prompt Engineering with Llama 2&3](#)
- [Become a Penetration Tester – LinkedIn Learning](#)
- [Ethical Hacking Essentials – EC-Council](#)
- [AWS Academy Cloud Operations](#)

Awards & Training

TryHackMe

Dec 2024 – Present

Ranked in the **Top 3% of global learners** on the platform Executed hands-on labs on network enumeration, web exploitation, and privilege escalation.

Hack The Box

June 2025 – Present

Practicing real-world hacking challenges focused on bug bounty methodology and red teaming.

References

Mr. Sugat Man Shakya

Lecturer, Islington College

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