

Anubhav Man Singh Pradhan

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Career Objective

Motivated IT security enthusiast with hands-on experience in network configuration, penetration testing, cloud computing, and cybersecurity tools. Eager to contribute to technical support, security assessments, network operations and deliver high-quality documentations while developing practical skills and collaborating in dynamic professional environments.

Educational Background

BSc (Hons) Computer Networking and IT Security

2023 - Present

Islington College

London Metropolitan University

Kamal Marg, Kamalpokhari, Kathmandu

SLC

2021 – 2023

Uniglobe Secondary School

National Examinations Board

Kamladi, Kathmandu

SEE

End date - 2021

Galaxy Public School

National Examinations Board

Gyaneshwor, Kathmandu

Skills

Technical Skills

- Cybersecurity Skills: Reconnaissance, Vulnerability Assessment, Penetration Testing
- Networking Skills/Concepts: Network Configuration, DNS, DHCP, VLANs, TCP/IP, NAT
- Tools & Technologies: Metasploit, Nmap, Burp Suite, Wireshark, Hashcat, Steghide, OSINT Tools
- Programming Languages: Python, Java
- Framework: Django
- Cloud Computing: AWS (EC2, S3, IAM)
- Operating System: Windows, Linux

Soft Skills

- Analytical Thinking
- Research & Documentation
- Adaptability & Curiosity
- Communication
- Team Collaboration
- Problem Solving

Academic Projects

Report on Brute Force Attack

- Tools Used: CUPP, Impacket-secretsdump, Hashcat, OSINT, Kali Linux
- Description of the Project: Conducted a penetration test simulating a brute force attack on a virtual Windows environment using tools like Hashcat and CUPP. Followed the PTES framework, covering all stages from reconnaissance to exploitation and post-exploitation.

Report on Effective Risk Management and Control

- Tools Used: NIST Framework, Risk Assessment Models (Qualitative & Quantitative)
- Description of the Project: Detailed report analyzing core principles of risk management and control, with a focus on cybersecurity threats and mitigation strategies.

Cryptography Report: Caesar XOR-Play Cipher

- Tools Used: Caesar Cipher, XOR Operation, Playfair Cipher
- Description of the Project: Developed a custom multi-layered cryptographic algorithm combining Caesar Cipher, XOR, and Playfair Cipher to enhance data security. Demonstrated detailed encryption and decryption processes with flowcharts and multiple test cases.

Furniture Management System

- Tools Used: Python, Visual Studio Code
- Description of the Project: Built a Python-based Furniture Management System that allows users to manage inventory, buy from manufacturers, sell to customers, and automatically generate invoices.

Certifications & Badges

- [AWS Academy Cloud Foundations](#)
- [AWS Academy Cloud Security Foundations](#)
- [AWS Academy Cloud Architecting](#)
- [AWS Academy Cloud Operations](#)
- [Fortinet Certified Fundamentals Cybersecurity](#)
- [Cisco Certified Networking Basics](#)

Hackathons / Extra Activities

Compliance Gap Detector and Policy Analyzer - Nepal Hacks @ SecurityPal, May, 2025

- Participated in a hackathon organized by SecurityPal in collaboration with NAAMII.
- Developed a system using local LLM and transformer models to identify gaps between internal security policies and standards like NIST and ISO 27001.
- [Certificate](#)

References

Available upon request.