

Saiful Islam Shakib

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Objective

Recent B.Sc. graduate in Computer Science and Engineering with extensive training in network security, system administration, and Python programming. Skills in network monitoring, vulnerability assessment, Active Directory management, and DNS configuration, contributing to robust network infrastructure in a remote capacity.

Education

B.Sc. in Computer Science and Engineering

Port City International University, Chittagong, Bangladesh

2021 – 2025

- Thesis: "Applications and Rise of Low-Power Wide Area Networks (LPWANs) in IoT"
 - Relevant Coursework: Network Security, Data Communications, Operating Systems (Windows 10/11, Kali, Parrot Security, Backbox Linux), Programming (Python-Automation, Bash-Scripting)
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Skills

Technical Skills:

- Network Security: Nmap, Wireshark, Metasploit, Aircrack-ng, nikto, natcat
- System Administration: Linux (Kali, BackBox, Windows Server-2022, Windows 10/11)
- DNS Enumeration: Sublist3r, Amass, dnsrecon, dig, dirb, theHarvester

Information Gathering:

- Footprinting: Active and Passive footprinting
- Recon: Active and passive recon

- Bash Scripting: AWK, SED
- Python: OOP, Network Automation
- Web Development: PHP, HTML, CSS
- Active Directory: User Management, Group Policy
- DNS: Domain Create/Delete/Modify
- Network Protocols: DHCP, TCP/IP, HTTP, SMTP, DNS, LoRaWAN, NB-IoT, SSH, FTP, SFTP, SNMP, SMTP, Telnet, mysql , Apache, tomcat etc.

Soft Skills:

- Network-Troubleshooting
- Anonsurf and Proxymesh setup for anonymously perform pentesting/hacking and safe browsing.
- Subnetting
- IP-Networking
- IP-Management
- Technical Documentation
- Remote Collaboration
- Problem-Solving
- Report-writing

Projects

Pharmacy Management System

2024 – 2025

- Developed a web-based system using PHP, HTML, and CSS to manage inventory, sales, and customer records.
- Implemented user authentication, product search, and order tracking with a responsive design for desktop and mobile.
- Documented codebase and deployment process for maintainability and scalability in small-scale pharmacy operations.

Network Security and Vulnerability Assessment

2024 – 2025

- Conducted DNS enumeration with Sublist3r, Amass, and dnsrecon to map network infrastructure.
 - Performed vulnerability scans using Nmap and analyzed network traffic with Wireshark, applying concepts from the Udemy course 'Mastering Network Security: Defending Against Cyber Threats'.
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Experience

Intern, IT Department

Local IT Firm, Chittagong, Bangladesh

Summer 2024

- Monitored and troubleshoot network issues using Nmap and Wireshark to ensure uninterrupted connectivity.
- Configured firewalls and tested Wi-Fi security with Aircrack-ng to enhance network defenses.
- Collaborated remotely with a team to implement secure access points and document best practices.

Virtual Environment Practice(Penetration-Testing):

Testing Active directory (Enumeration, Recon, Information gathering And Exploit)

Testing and Exploiting Windows 7,8,10 and Metasploitable-2 (linux based) Using different pentesting tools (Nmap, dnsrecon, Metasploit-framework).

Certifications

- Byte Capsule: Cybersecurity for Professionals (6-Month Training Program, Oct 2023 – Apr 2024)
- Udemy: Mastering Network Security: Defending Against Cyber Threats (2025)
- Udemy: Network Security 101: Start Network Security from Scratch (May 2025)
- Udemy: Upgrading Computer Networks - Guide to Successful Migrations (May 2025)
- Udemy: Linux Bash Shell Scripting Incl. AWK, SED and 10+ Projects (Feb 2025)
- Udemy: Advanced Foundations of Python Programming (Oct 2024)
- Udemy: 300+ Python Exercises (Simple, Intermediate & Complex) (Nov 2024)
- Udemy: Complete Python & Python OOP with Exercises Projects in 2024 (Oct 2024)
- Udemy: Ethical Hacking: Network Exploitation Basics (Oct 2024)
- TryHackMe: Introduction to Cybersecurity (2024)
- Coursera: Python for Everybody (2023)
- Pursuing: CCNA Certification (Expected 2025)

Languages

- English (Fluent)
- Bangla

