

# Saiful Islam Shakib

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## Objective

Recent B.Sc. graduate in Computer Science and Engineering with hands-on experience in network security and penetration testing. Seeking a Security Engineer Intern position to contribute to remote cybersecurity initiatives, leveraging skills in vulnerability assessment, network monitoring, and system hardening to protect organizational assets.

## Education

**B.Sc. in Computer Science and Engineering** 2021–2025  
Port City International University, Chittagong, Bangladesh

- Thesis: “Applications and Rise of Low-Power Wide Area Networks (LPWANs) in IoT”
- Relevant Coursework: Network Security, Data Communications, Operating Systems, Programming (Python, C++)

## Skills

- **Technical Skills:** Network Security (Nmap, Wireshark, Aircrack-ng, Metasploit, Hydra), Network Reconnaissance (Sublist3r, TheHarvester, Amass, dnsrecon), System Administration (Linux: Kali, BackBox; BleachBit), Programming (Python, Bash Scripting), Data Analysis (MS Excel)
- **Protocols:** TCP/IP, HTTP, SMTP, DNS, DHCP, LoRaWAN, NB-IoT
- **Soft Skills:** Vulnerability Assessment, Threat Analysis, Technical Documentation, Remote Collaboration

## Projects

**Network Security Assessment** 2024–2025

- Performed DNS enumeration with Sublist3r, Amass, and dnsrecon, followed by Nmap scans to identify vulnerabilities, applying techniques from the Udemy course "Mastering Network Security: Defending Against Cyber Threats."
- Analyzed network traffic using Wireshark and secured Wi-Fi networks with Aircrack-ng, enhancing security protocols.

**Optimized BackBox Linux Security Lab** 2025

- Configured BackBox Linux 8 on a 4GB RAM system to support Nmap, Metasploit, and multiple browsers, optimizing resources with swap space and BleachBit.
- Documented repository troubleshooting steps, ensuring a stable environment for remote security testing.

## Experience

**IT Intern** Summer 2024  
Local IT Firm, Chittagong, Bangladesh

- Conducted network monitoring and vulnerability scans using Nmap and Wireshark on BackBox Linux, identifying and mitigating potential threats.
- Configured firewalls and tested Wi-Fi security with Aircrack-ng, improving network defenses.
- Optimized system performance with BleachBit, supporting efficient remote operations.

## Certifications

- Udemy: Mastering Network Security: Defending Against Cyber Threats (2025)
- TryHackMe: Introduction to Cybersecurity (2024)

- Coursera: Python for Everybody (2023)
- Pursuing CCNA Certification (Expected 2025)

## **Languages**

- English (Fluent), Bangla (Native)