

Saiful Islam Shakib

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Objective

Recent B.Sc. graduate in Computer Science and Engineering with advanced expertise in network security, IoT technologies, and system administration. Seeking a Subject Matter Expert - Computer Science role to leverage technical proficiency and teaching skills to guide teams, develop educational content, and advance knowledge in networking and cybersecurity.

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), dig, nslookup, which
- **Protocols:** TCP/IP, HTTP, SMTP, DNS, DHCP, LoRaWAN, NB-IoT
- **Soft Skills:** Technical Training, Problem Solving, Documentation, Team Leadership

Projects

LPWAN IoT Research and Documentation 2024–2025

- Conducted in-depth research on LoRaWAN and NB-IoT, developing a Python-based simulation for smart agriculture to optimize data transmission.
- Authored a comprehensive thesis and technical reports, demonstrating expertise in IoT networking for educational use.

Resource-Optimized BackBox Linux Environment 2025

- Configured and optimized BackBox Linux 8 on a 4GB RAM system to support multiple security tools (Nmap, Wireshark) and browsers, enhancing system efficiency.
- Documented troubleshooting steps for repository errors, creating a guide for system administration training.

Experience

IT Intern Summer 2024
Local IT Firm, Chittagong, Bangladesh

- Delivered technical support and network monitoring using Nmap and Wireshark, mentoring junior team members on tool usage.
- Configured firewalls and Wi-Fi security with Aircrack-ng, documenting best practices for team reference.
- Optimized system performance with BleachBit, sharing maintenance techniques with colleagues.

Certifications

- TryHackMe: Introduction to Cybersecurity (2024)
- Coursera: Python for Everybody (2023)
- Pursuing CCNA Certification (Expected 2025)

Languages

- English (Fluent), Bangla (Native)