Saiful Islam Shakib

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Objective

Recent B.Sc. graduate in Computer Science and Engineering with expertise in Low-Power Wide Area Networks (LPWANs) and proficiency in network security and penetration testing tools. Seeking an entry-level role in network security or IT to apply skills in DNS enumeration, vulnerability scanning, and network analysis.

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, Burp Suite, Wireshark, Hydra, Medusa, John the Ripper, Aircrack-ng), DNS Enumeration (Amass, dnsrecon, Sublist3r, TheHarvester, dig, nslookup), Penetration Testing, Linux (Kali, BackBox), Python, Bash Scripting, which
- **Protocols**: TCP/IP, HTTP, SMTP, DNS, LoRaWAN, NB-IoT
- **Soft Skills**: Problem-Solving, Team Collaboration, Technical Writing

Projects

Network Security Analysis   2024

- Conducted DNS enumeration on target domains using Amass, Sublist3r, and dnsrecon to identify subdomains and IP addresses.
- Performed Nmap scans to detect open ports and services, analyzing results for potential vulnerabilities using Hydra and John the Ripper.
- Documented findings in a structured report, simulating a bug bounty submission.

LPWAN Smart Agriculture Simulation   2024

- Developed a Python-based simulation to model data transmission using LoRaWAN for soil moisture monitoring.
- Analyzed low-power, long-range communication for IoT applications in agriculture.

Experience

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

- Assisted in network monitoring and troubleshooting using Wireshark and Nmap.
- Configured firewalls and performed basic security audits on internal servers.
- Collaborated with a team to implement secure Wi-Fi access points using Aircrack-ng for testing.

Certifications

- TryHackMe: Introduction to Cybersecurity (2024)
- Coursera: Python for Everybody (2023)

Languages

- English (Fluent), Bangla (Native)