

Saiful Islam Shakib

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Objective

Recent B.Sc. graduate in Computer Science and Engineering with expertise in IT operations, network security, and process automation. Seeking a Digital Operations Executive role to leverage skills in system management, data analysis, and IoT technologies to optimize digital workflows and enhance operational efficiency.

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:** IT Operations (Linux: Kali, BackBox), Network Monitoring (Wireshark, Nmap), Automation (Python, Bash Scripting), Reconnaissance (Sublist3r, TheHarvester, Amass, dnsrecon), Security Tools (Hydra, John the Ripper, Aircrack-ng), System Cleaning (BleachBit), dig, nslookup, which
- **Protocols:** TCP/IP, HTTP, SMTP, DNS, LoRaWAN, NB-IoT
- **Soft Skills:** Data Analysis, Process Optimization, Team Collaboration, Technical Documentation

Projects

Digital System Optimization 2024

- Automated network reconnaissance using Sublist3r, Amass, and dnsrecon to map digital assets, enhancing system visibility.
- Implemented Python scripts to monitor network traffic with Wireshark, streamlining operational diagnostics.
- Used BleachBit to maintain secure, efficient Linux environments, optimizing system performance.

IoT Data Transmission Simulation 2024

- Developed a Python-based LoRaWAN simulation for smart agriculture, modeling efficient data workflows.
- Analyzed low-power protocols to support scalable digital operations in IoT ecosystems.

Experience

IT Intern Summer 2024
Local IT Firm, Chittagong, Bangladesh

- Managed network operations using Wireshark and Nmap on BackBox Linux, ensuring system reliability.
- Configured firewalls and optimized Wi-Fi networks with Aircrack-ng, improving digital security.
- Collaborated on process automation, reducing operational downtime through scripted solutions.

Certifications

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

Languages

- English (Fluent), Bangla (Native)