

MAHMUDA BINTE KABIR

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Professional Summary

Computer Science student and junior penetration testing intern with hands-on experience in web security, Active Directory basics, and penetration testing labs. Built academic and security projects and actively developing practical skills through CTFs and internship training.

Work Experience

Junior Penetration Tester (Intern)

January 2026 - Present

Byte Capsule, Dhaka

Projects

Hand Gesture Controlled Robot

- Built a wireless gesture-based robot using Arduino Nano, ADXL345, and NRF24L01
- Implemented accelerometer-based control logic and motor driver integration

Network Cable Optimizer | Java, Swing

- Developed a GUI-based network cabling optimization tool using MST algorithms
- Reduced infrastructure cost through shortest-path optimization and cost analysis
- Implemented save/load functionality and PDF export features

Certifications

- Ethical Hacking for Professionals - Byte Capsule (2025)

Technical Skills

- Penetration Testing & Security: Active Directory, Web Security
- Programming Languages: C, C++, Python, Java
- Tools: Burp Suite, Metasploit, Nmap, Mimikatz, Nessus

Education

Bachelor of Science in Computer Science and Engineering Bangladesh University of Professionals

Expected Graduation: 2027