Md. Mehedi Hasan

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Summary

Results-driven Cyber Security Engineer with hands-on experience in application security, network security, and mobile security. Skilled in Vulnerability Assessment and Penetration Testing (VAPT), Red Team Operations, and vulnerability management, with a proven record of discovering and reporting CVEs and delivering actionable security improvements. Experienced in working with global clients and delivering high-impact security solutions across diverse digital environments.

What Sets Me Apart

- Skilled in Web, Mobile and API penetration testing with equal depth, not limited to web.
- Specialize in logic flaws, broken access controls, and chaining multi-step exploits, beyond common issues like XSS, SQLi, Information Disclosure, or IDOR.
- Align testing with application workflows and business impact instead of relying on predefined checklists.
- Overcome tool limitations by improvising alternative approaches to continue testing when standard tools fail (e.g., bypassing anti-proxy defenses when apps block Burp Suite or other proxies).

Education

Daffodil International University Jan 2018 - Oct 2022
BSc. in Software Engineering (Major in Cyber Security), CGPA: 3.80/4.00 *Dhaka, Bangladesh*

Experience

Associate Consultant - Cyber Security (Red Team Operations) Jul 2025 - Present
Ernst & Young (EY) *Dhaka, Bangladesh*

- Received client appreciation twice from one of the largest telecom operators in Bangladesh for exceptional findings and delivery, which led the client to offer an additional engagement to EY.
- Resolved a blocker that stopped the team from testing by using a different method. This restored testing for both web and mobile applications.
- Conduct penetration testing for web, mobile, and APIs, improving security for major telecoms and banking clients.
- Perform cloud security assessment and configuration review.
- Drive red team operations through attack simulations, vulnerability assessments, and remediation planning.
- Common and high-severity findings include Privilege Escalation, Remote Code Execution (RCE), SQL Injection, Account Takeover, and mobile-specific issues such as insecure storage, pinning, root and Play Protect bypass.

Software Security Engineer (Promoted) Dec 2023 - July 2025
City Bank PLC *Dhaka, Bangladesh*

- Led the application security program, performing VAPT on around 100 web, mobile applications and API and identifying over 500 critical vulnerabilities.
- Collected and prioritized the complete application inventory across teams, ensuring systematic testing coverage and proactive management of vulnerabilities.
- Collaborated with developers from discovery to remediation, integrating security into the SDLC and driving timely, effective fixes.
- Initiated and supported the revamp of a core application after discovering extensive security flaws.
- Managed all application security operations independently, including vulnerability tracking and management, and mentored a small team to expand application security capabilities.
- Recognized with multiple Rewards and Recognition awards for outstanding performance and contributions to security.

Graduate Teaching Assistant (PMICS) - Part-time (Ongoing) Jan 2024 - Present
University of Dhaka *Dhaka, Bangladesh*

- Conduct hands-on lab sessions for “CSE 803 Software Security” in the PMICS Program.

Cyber Security Engineer Nov 2022 - Oct 2023

Trustaira Limited *Dhaka, Bangladesh*

- Conducted VAPT projects for banking and telecom clients.
- Performed SAST using SonarQube and Coverity.
- Deployed VA & PT solutions, SOC, and provided client training.
- Prepared technical documentation and reports.

Teaching Assistant Sep 2021 - Jan 2022

Daffodil International University *Dhaka, Bangladesh*

- Designed course modules and conducted Ethical Hacking labs.
- Developed a vulnerable platform for student assessments.

Certifications

- Certified Ethical Hacker (CEH) - EC Council
- eLearnSecurity Certified Professional Penetration Tester (eCPPT)
- eLearnSecurity Junior Penetration Tester (eJPT)
- API Security Certified Professional (ASCP)
- TryHackMe PT1
- Certified in Cybersecurity (CC) - ISC2
- Certified AppSec Practitioner (CAP) - The SecOps Group
- Certified Network Security Practitioner (CNSP) - The SecOps Group
- SWIFT CSP - SWIFT
- Darkweb Certified Professional - iZOOlogic
- CRTP (Altered Security), CAPT & CIPT - Practical Android and iOS Pentesting Exams (MobileHackingLab) - Exam vouchers purchased; preparation ongoing.

Research & CVEs

- Credited with discovering and responsibly reporting CVE-2022-35133 (CherryTree) and CVE-2023-29828 (conference management framework).
- Conducted research on automated detection of IDOR vulnerabilities in web applications.
- Recognized in multiple Hall of Fames for reporting security issues.

Major Projects

- Brac Bank - VAPT and Red Teaming
- One of the Largest Telecom Operators in Bangladesh - VAPT
- City Bank - Web, API & Mobile Security Testing
- ASA International - VA & PT (Uganda, Rwanda, Philippines, Tanzania, Zambia, Sierra Leone)
- Ziska Pharmaceuticals & Healthcare Pharmaceuticals - VA & PT
- NCC Bank - VA & PT
- City Bank - Mobile Applications VA & PT (Trustaira LTD.)
- Dyanasend - VA & PT
- Singapore Government Projects
- Multiple Projects with Deloitte Singapore
- Large Banking System - Europe (Contractual VAPT)
- Government Entities - Europe (Contractual VAPT)
- Nestle Bangladesh - Source Code Review
- Conducted Trainings - doICT (12 days), Banglalink (4 days)

Courses & Training

- PCI DSS v4 Implementer (Trainer: ControlCase, Organized by City Bank PLC, 2 days)
- Advanced Web Hacking (Trainer: Alex Olsen, TCM Security, Organized by Trustaira, 10 days)
- Certified Ethical Hacker (CEH) – Cyber Security Center (3 months)
- Penetration Testing Student – INE
- API Penetration Testing – APISec University
- Web & Pentesting Labs: 130+ TryHackMe rooms, CompTIA Pentest+ path, HackTheBox Academy Modules, 100+ PortSwigger labs
- Digital Forensics, Security Operations Center (SOC)

Achievements

- Received Client Recognitions - EY
- Highest performance rating (2024) - City Bank
- 1st Runners-Up - Financial Cyber Drill 2024
- Rewards & Recognition (x2) - City Bank
- Emerging Leader 2024 Award - DMH Foundation
- Fully funded semester exchange at Staffordshire University
- 9th - National Cyber Drill 2020, 2nd Runners-up - Inter University Drill 2021, 5th - National Cyber Drill 2021
- 2nd Runner-Up - BUET Inter-University CTF 2023

Co-Curricular Activities

- Organizer - DIU CYBERCON 2025
- Founder & Project Manager - MIST LeetCon 2023
- Organizer - Flaghunt 2022
- Founding President - Cyber Security Club, DIU
- Technical Trainer - CSAD 2021
- Course Instructor - Cyber Security Centre, DIU

Languages

- English, Bengali