

# MD. MEHEDI HASAN

## Cyber Security Engineer

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## EXPERIENCE

### Graduate Teaching Assistant, PMICS [Part-time] University of Dhaka

January 2024 – Ongoing

Dhaka, Bangladesh

- Conduct hands-on lab sessions for the 'CSE 803 Software Security' course of the Professional Masters in Information and Cyber Security (PMICS) Program.

### Software Security Engineer

#### City Bank PLC.

December 2023 – Ongoing

Dhaka, Bangladesh

- Perform security assessments on bank applications, with detailed reports and remediation recommendations.
- Review source code to identify vulnerabilities and propose remediation strategies.
- Investigate and analyze security findings to assess impact and potential threats, collaborating with relevant teams to address and prioritize security issues while maintaining accurate records of assessments and remediation efforts.

### Cyber Security Engineer

#### Trustaira Limited

November 2022 – October 2023

Dhaka, Bangladesh

- For each major security issue, provided various cyber security services to banking and telecom clients. I conducted many VAPT projects with expert understanding of the difference between a vulnerability assessment and a penetration test in the context of assessment scope, objectives, and deliverables.
- Performed and reviewed technical security assessments to identify points of vulnerability and non-compliance with established information security standards and recommended mitigation strategies.
- Identified security requirements and proposed appropriate measures.
- Deployed VA & PT solutions to the clients' systems, network and devices.
- Performed POC & Training to clients and Prepared technical documents.

### Cyber Security Intern

#### BugsBD Limited

February 2022 - July 2022

Dhaka, Bangladesh

- Collaborated with other Interns, Seniors, and Manager on projects to learn new techniques and hands-on experience.
- Prepared Technical Documentation & Deployed a VAPT reporting system, ensuring the client's access to the portal for monitoring their project.

## EDUCATION

### BSc. in Software Engineering with Major in Cyber Security

#### Daffodil International University

January 2018 – October 2022

CGPA: 3.80 out of 4.00

## VENDOR CERTIFICATIONS

- Certified Ethical Hacker (CEH) – Ec Council.
- Certified in Cybersecurity (CC) – ISC2.
- Elearnsecurity Junior Penetration Tester (eJPT) – INE (48 hours practical exam on penetration testing)
- Certified Appsec Practitioner (CAP) – The SecOps Group.
- Certified Network Security Practitioner(CNSP) – The SecOps Group.
- SWIFT CSP - SWIFT.
- iZOOlogic Certified Professional – iZOOlogic.

## MAJOR PROJECTS

- City Bank API Security Testing [Trustaira Ltd.].
- ASA Uganda VA & PT.
- ASA Rwanda VA & PT.
- ASA Philippines VA & PT.
- Ziska Pharmaceuticals Limited VA & PT.
- Healthcare Pharmaceuticals Limited VA & PT.
- ASA Tanzania VA & PT.
- ASA Zambia VA & PT.
- ASA Sierra Leone VA & PT.
- City Bank Android and iOS Applications VA & PT [Trustaira Ltd.].
- Conducted 'Dark Web Monitoring' training at City Bank Limited. [Trustaira Ltd.].
- Conducted 12 dayslong training at doICT.
- Conducted 4 days Web Security training at Banglalink.

## ACHIEVEMENTS

- Got Emerging Leader 2024 Award - DMH Foundation.
- Got fully-funded semester exchange scholarship at Staffordshire University for 1 semester during undergrad.

## Teaching Assistant

### Daffodil International University

📅 September 2021 – January 2022 📍 Dhaka, Bangladesh

- Designed course modules and set up necessary class material.
- Conducted Ethical Hacking lab classes and assisted teacher with quizzes, assignments and monitoring students' progress.
- Developed a vulnerable platform for student's lab assessment.
- Motivated and encouraged students to learn, adapt and socialize.

## SKILLS AND SPECIALIZATIONS

- Vulnerability Assessment and Penetration Testing.
- Web Application Penetration Testing.
- Mobile Application Security Testing.
- API Security Testing.
- Network and Server Penetration Testing.
- OWASP Top 10 Standard.
- Risk Analysis.
- Security Incident Handling & Response.
- VAPT Reporting.
- Technical Documentation & Project Management.

## COURSES AND TRAINING SUMMARY

- PCI DSS v4 Implementer | Trainer: ControlCase | Organized By: City Bank PLC. | Duration: 2 days
- Advanced Web Hacking | Trainer: Alex Olsen (TCM Security) | Organized By: Trustaira Ltd. | Duration: 10 days.
- Certified Ethical Hacker | Cyber Security Center | Duration : 3 months.
- Penetration Testing Student | Internetwork Expert (INE).
- API Penetration Testing | APISec University.
- Completed TryHackMe Web Fundamentals and CompTIA Pentest+ Learning Path, solving over 130 TryHackMe rooms.
- Achieved 100% completion in 12 Hack The Box academy modules, compromising over 90 targets.
- Completed over 100 labs on the PortSwigger Web Security Academy.
- Digital Forensics.
- Security Operations Center (SOC).
- Spoken English.

## RESEARCH EXPERIENCE & CVES

- Conducted Scientific Research on 'Automated Detection of IDOR Vulnerability in Web Application'.
- Achieved CVE-2022-35133 for reporting vulnerability in cherrytree.
- Achieved CVE-2023-29828 for reporting vulnerability in a conference framework.
- Reported a Zero Day vulnerability to a 'popular router'(Under Review).

## CO-CURRICULAR ACTIVITIES

- Chapter Leader, Security BSides.
- Founder & Project Manager, MIST LeetCon 2023 (1st Ever International Cyber Security Conference from Bangladesh).
- Organizer, Flaghunt 2022.
- Founding President, Cyber Security Club, DIU.
- Technical Trainer, CSAD 2021.
- Course Instructor, Cyber Security Centre, DIU.
- Lead Organizer, Intra University CTF, DIU.

- 9th Position – National Cyber Drill 2020.
- 2nd Runners-up – Inter University Cyber Drill 2021.
- 5th Position (1st Runners-Up) – National Cyber Drill 2021.
- 12th Incognito International CTF.
- 2nd RunnerUp –BUET Inter University CTF 2023.

## LANGUAGES

- English
- Bengali

## REFERENCES

### Saikat Biswas

@ Cyber Security Associate, PWC Bangladesh

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### Badhan Ahmed Topu

@ Principal Officer (IT & Cybersecurity), IFIC Bank PLC.

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