

MD MAHFUZUR RAHMAN

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CAREER SUMMARY

Cybersecurity Analyst with a Bachelor's in Software Engineering, specializing in Cybersecurity. Experienced in VAPT of web and mobile apps, secure code reviews, and risk-based vulnerability management. Strengthened the security of leading Bangladeshi banks and government entities. Built automation tools in Bash and Python. Delivered technical reports with CVSS scoring, and supported PCI DSS compliance. Led an academic project on *Video Steganography for Authentication*. Skilled with Burp Suite, Nessus, Metasploit, and aligned with OWASP standards. Actively sharpen expertise through platforms like TryHackMe and Hack The Box.

EXPERIENCE

- I. EIC Limited: (Cyber Security Engineer at Security Operations)** April 2024 - Present
 - Conducted comprehensive security assessments across over 40 web and mobile applications internal and external servers, identifying and mitigating 80 critical vulnerabilities per year, significantly enhancing system security and compliance.
 - Developed and deployed four proprietary tools to automate penetration testing, reducing testing time by 30% and increasing detection accuracy 60%, which streamlined cybersecurity evaluations significantly.
 - Delivered detailed vulnerability reports with CVSS scoring and reproducible steps, aligned with OWASP and PCI DSS standards, and collaborated with teams to track remediation for VAPT and compliance audits.
 - Assisted in achieving PCI DSS compliance for over 10 banks and financial institutions by performing thorough vulnerability assessments and penetration tests, reducing security risks by 40%.
 - Created and implemented the 'Card Data Discovery' tool, automating the detection of unencrypted cardholder data across client systems and scanning over 500,000 files, ensuring compliance with industry standards.
 - Engineered the 'Live or Alive' network segmentation tool, which efficiently validated isolation between cardholder and non-cardholder environments in 30+ network setups, cutting potential compliance audit time by 50%.
- II. Senselearner Technologies Pvt Ltd: (Remote [Internship](#))** Oct 2023 - Nov 2023
 - Performed vulnerability assessments and recommended mitigation strategies to enhance security.
 - Gained practical exposure to cybersecurity practices and risk management.
- III. Cyber Security Centre, DIU: (Cybersecurity Researcher)** Jun 2022 - Jun 2023
 - Conducted in-depth research on advanced topics such as video steganography, authentication mechanisms, and the use of LLMs in threat intelligence and detection.
 - Organized Cybersecurity Awareness Day with secure code review workshops, live demos, and expert talks for students and faculty.

EDUCATION

- Daffodil International University (Birulia-1216, Bangladesh)** July 2020 – June 2024

B.Sc. in Software Engineering (Major in Cybersecurity)
CGPA: 3.92 / 4.0

CERTIFICATION

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|------|---|--------------|
| I. | Certified Vulnerability Assessor (CVA) - Mile2 | January 2024 |
| II. | Certified Network Security Practitioner (CNSP) - SecOps | January 2025 |
| III. | Certified AppSec Practitioner (CAP) - SecOps | January 2025 |

AWARD & COMPETITIONS

- I. **Flag Hunt 2023:**
Only the top 30 teams got the opportunity in the National Cybersecurity Competition 2023 "Flag Hunt: Battle of Hackers" after a preliminary round from the nation and My team "3rror_Genocide" was one of the [finalists](#).
- II. **Google Hacking Competition 2023:**
[2nd Runners Up](#) in Cyber Security Awareness Day 2023 at Daffodil International University.
- III. **Attended BUET CTF competition in the Final round of 2023:**
BUET CSE-Fest arranged a CTF competition among universities and picked the top 30 teams for the final round.
- IV. **Google Hacking Competition 2022:**
Hold top 10 places in Cyber Security Awareness Day 2022 at Daffodil International University.
- V. **Mujib 100 Idea Competition in 2021:**
Hold [top 30](#) places among 1000+ teams in IC4IR 2021 Mujib 100 Idea Contest.
- VI. **Intra-University Programming Competition:**
Attended DIU intra-university [programming competition](#) in 2021

VOLUNTEER EXPERIENCE

- I. Coordinated MIST LeetCon 2023, Bangladesh's first cybersecurity conference, facilitating workshops and live Competitions for 500+ participants.
- II. Co-organized Cybersecurity Awareness Day at DIU for 2022 and 2023, successfully coordinating CTF competitions and technical workshops that engaged over 300 students annually, enhancing their practical cybersecurity skills and knowledge.
- III. Supported logistics and registration for Dhaka Half Marathon 2018, ensuring smooth participation for over 1,000 attendees.

ADDITIONAL SKILLS

Soft Skills: Communication, Problem-Solving, Collaboration, Adaptability, Analytical Thinking.

Technical Skill: Kali-Linux, Burp suite, Metasploit, Nessus, Qualys, Frida, Troubleshooting.

AI & Automation Skills: Prompt Engineering (ChatGPT, Gemini, Claude), Bash & Python Automation

Programming Language: C, Python, Bash

Database: MySQL.

Language: Fluent in English and Bangla.