

MD MAHMUDUZZAMAN KAMOL

mzkamol@gmail.com ◇ +8801878958985 ◇ Dhaka, Bangladesh

◇ [Linkedin](#) ◇ [Github](#) ◇ [Personal Website](#)

OBJECTIVE

Dedicated final-year student with a strong security testing and vulnerability management background. Eager to embark on a Ph.D. journey with a specific focus on security-related research. Aspiring to contribute to cutting-edge research in cyber-security, advancing both knowledge and practical applications in the field.

EDUCATION

BSc in Computer Science and Engineering

Jan 2020 - Present

American International University Bangladesh

CGPA - 3.98/4.00

Relevant Coursework: Network Security, Computer Networks, Advanced Programming In Web Technology, Micro-processor & Embedded Systems and Introduction To Data Science

SKILLS

Technical Skills

Security Testing, Vulnerability and Risk Assessment

Tools

Burp Suite Pro, Nuclei, Nmap, Nessus, Deep Security, Apex One, Splunk

Programming Skills

Python, PHP, Bash, SQL

Compliance Framework

PCI-DSS

EXPERIENCE

Associate, Security Operation Centre

Sept 2023 - Present

SSL Wireless

Dhaka, Bangladesh

Key Achievements:

- Conduct penetration testing for nearly 70 servers and more than 150 applications.
- Discovered over 30 severe bugs, including PII data leak to complete server takeover impacting more than 40 applications.
- Successfully recovered and restored two servers completely filled with undetectable malware, ensuring the smooth operation of the affected applications.
- Created a comprehensive secure coding checklist to enhance software development practices.

Job Responsibilities:

- Conduct penetration testing for Networks, API, Web, and Mobile applications with a focus on real-world threats.
- Collaborate with others in maintaining SIEM, EDR, and Nessus.
- Contribute to creating and maintaining security documentation, including incident reports and penetration testing reports.
- Collaborate with cross-functional teams to identify and mitigate security risks and vulnerabilities.
- Ensure that security operations align with regulatory requirements and industry standards, focusing on PCI-DSS compliance to safeguard payment card data.

Intern, Security Operation Centre

Jun 2023 - Aug 2023

SSL Wireless

Dhaka, Bangladesh

Job Responsibilities:

- Assist in conducting penetration testing for web applications to identify vulnerabilities and security weaknesses.
- Learn about and contribute to ensuring that web application security aligns with relevant regulatory requirements, including PCI-DSS.

- Maintain organized records of web application penetration testing results, vulnerabilities discovered, and actions taken.

PROJECTS

DMT - Metro Rail Ticketing Web Application

This is a ticketing web application with a React frontend and a Laravel API backend. The application is designed to simplify the ticket booking process and includes features such as integrated payment gateways supporting all types of payments available in Bangladesh, as well as live location tracking. ([Check here](#))

Diabetes Prediction Using KNN

This project uses Pima Indians Diabetes Database to predict outcomes. It starts by cleaning the data and normalizing features. The k-Nearest Neighbors algorithm is then applied to create a diabetes outcome prediction model, with accuracy assessed using a confusion matrix, aiming to improve healthcare decision-making. ([Check here](#))

Hospital Management System

This is a web application made with PHP, jQuery, CSS, and JavaScript which simplifies the complex hospital management processes. ([Check here](#))

EXTRA-CURRICULAR ACTIVITIES

Vice President of Publications, Dhaka College Science Club

2019 - 2020

- Led the Publications team, overseeing content creation and editing.
- Editor of the 7th edition and contributor to the 6th edition of "Sputnik" annual magazine.
- Contributed to the organization of 7th DCSC National Science Exposition 2020.

TEACHING AND TUTORING EXPERIENCE

Tutor for 8th-10th Grade Students

2020 - 2023

- Tutored 8th-10th grade students in Physics, Chemistry, and Math.
- Provided one-on-one and group tutoring sessions to enhance understanding of complex concepts.

Tutor for 11th-12th Grade Students (Information and Communication Technology)

2020 - 2022

- Conducted tutoring sessions for approximately 20 students in Information and Communication Technology (ICT).
- Assisted students in developing ICT skills and understanding software applications.

CERTIFICATION

- [CyberOps Associate \(CISCO\)](#)
- [Security Analyst Bootcamp by VTF](#)

HALL OF FAME / ACKNOWLEDGMENT

- Netflix
- University of Notre Dame
- Delivery Hero
- Achmea

ACHIEVEMENTS

- Dean's List Honors (Consecutive 5 Times) for maintaining a consistently high GPA throughout Spring 2020-21 to Fall 2022-23
- Awarded a tuition fee scholarship during my undergraduate studies
- Placed 17th on CTO Forum Innovation Hackathon 2022