

Tahsin Ahmed

✉ contact@tahsinahmed.com 🔗 www.tahsinahmed.com 📍 Dhaka, Bangladesh

About Me

I am committed to exploring a broad spectrum of computational technologies, with a specialized interest in **Cybersecurity**. My competitive nature has led me to participate in numerous competitions that have improved my skills in leadership, teamwork, critical thinking, and resilience under pressure.

Education

BRAC University, *BSc in Computer Science*

February 2025

- CGPA: 3.49 out of 4.0
- Coursework: Introduction to Computer Security, Cryptography, Computer Networks, etc.

Research & Publications

Original Research

- **Ahmed, T.**, Saha, A., Nuhan, A., Noor, N. A. B. M., Ahmed, M. F., & Hossain, M. I. (2026). HELO Cryptography: A Lightweight Cryptographic System for Enhancing IoT Security on P2P Data Transmission. arXiv Preprint. <https://doi.org/10.48550/arXiv.2605.03948>.

Review Article

- **Ahmed, T.**, Raj, F. K., Sarkar, N., Ferdousi, T. R., Ferdous, M. S., & Shajalal, M. (2026). A Systematic Literature Review on Detecting BEC Cyberattacks Using Machine Learning. SSRN Preprint. <https://dx.doi.org/10.2139/ssrn.7308662>.

Professional Experience

Intern (*Network Infra & Security*), *Nagad Ltd.*

November 2025 – March 2026

I handled daily technical operations and collaborated with Bangladesh Bank to facilitate the operational budget approval process. Also, my key learnings and responsibilities are outlined below. [View certificate](#) 🔗

- Vulnerability assessment using Tenable Nessus to keep the network protected from malicious activities.
- Managed RAVPN access via Windows AD & portal to prevent unauthorized access to the organization's servers.
- Automated firewall policy validation using Python, replacing manual validation that was prone to human error.
- Monitored and analyzed network health using Zabbix.
- Documented and managed more than 800 unorganized management records for audit.

Projects

- HELO Cryptography: [View project](#) 🔗
- Malware – Ransomware: [View project](#) 🔗
- DoS – Email Bombing: [View project](#) 🔗
- Automated Firewall Policy Validator: [View project](#) 🔗
- Brute Force – Dictionary Attack: [View project](#) 🔗
- Spyware – Keylogger: [View project](#) 🔗

Technical Skills

- **Programming Language:** Python, JavaScript.
- **Cybersecurity:** Phishing, Wazuh, Suricata, Gobuster, Hydra, Tenable Nessus, OWASP Zap, Wireshark, etc.
- **Operating System:** Kali Linux

Certifications

- **Cyber Security 101**, (TryHackMe): [View certificate](#)
- **Cryptography I**, (Stanford University): [View certificate](#)
- **Python 3 Programming**, (University of Michigan): [View certificate](#)
- **Full Stack MERN Web Development with JavaScript**, (Bohubrihi): [View certificate](#)

Honors & Awards

National STEAM Olympiad

2024

- **Rank:** Divisional Champion & Top 10 Finalist, **Segment:** ICT & Digital Security, **Award:** [View certificate](#)

Intra-university Programming Contest

2022

- **Rank:** 13th among 187 teams, **Team:** Code Breakers, **Award:** [View rank](#)

Vice Chancellor's Honor List

Spring 2021, Summer 2020

- Appeared twice in recognition of academic excellence during the BSc in Computer Science program.

Intra-university BUCC Hackathon

2020

- **Rank:** 1st, **Project:** Prototype for a Music Therapy App, **Award:** [View certificate](#)

Intra-school Science Festival and Olympiad

2013

- **Rank:** 3rd, **Category:** General Science, **Project:** Save Trees from Extinction, **Award:** [View certificate](#)

Extracurricular Activities

- **Capture The Flag:** Participated in various CTF challenges on TryHackMe to develop cybersecurity skills and ranked among the top 4%. [View profile](#)
- **Music:** Involved in music as a hobby through playing Tabla. This is to get rid of the monotonous life. However, I became 3rd playing it at the Bangladesh Shishu Academy. [View certificate](#)

Referees

- **Dr. Muhammad Iqbal Hossain:** Associate Professor, BRAC University. Email: iqbal.hossain@bracu.ac.bd
- **Mohammad Zafar Ullah:** Senior System Engineer, Nagad Ltd. Email: zafar.ullah@nagad.com.bd