

Tahsin Ahmed

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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*

September 2019 – May 2024

- CGPA: 3.49 / 4.0
- Coursework: Introduction to Computer Security, Cryptography, Computer Networks.

Research & Publications

Research Article

- 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. [Under review]

Review Article

- Ahmed, T., Raj. F. K., Ferdousi, T. R., Sarkar, N., & Ferdous, M. S. (2026). A Systematic Literature Review on Detecting BEC Cyberattacks Using Machine Learning. [Work under progress]

Projects

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

Experience

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

November 2025 – March 2026

I handled daily operational tasks and developed an automated tool to validate firewall policies that were previously manual. My key learnings and responsibilities are outlined below. [View certificate](#)

- Learned computer networks & security.
- Network automation using Python.
- Network monitoring & analysis using Zabbix.
- Collaborated with administrators of the Bangladesh Bank to support operations.
- RAVPN user management via Windows AD & portal.
- Vulnerability management using Tenable Nessus.
- Documentation of service & management records.

Certifications

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

Technical Skills

- **Programming Language:** Python, JavaScript.
- **Cybersecurity:** Cryptography, Phishing, Wireshark, Nmap, Hydra, GoBuster, XSS, SQLi, Burp Suite, etc.

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](#) 



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](#) 
- **Leadership and Team Management:** Involved with leading and managing teams in academic group tasks and several competitions.
- **Music:** Involved in music as a hobby and became 3rd playing tabla at the Bangladesh Shishu Academy. [View certificate](#) 

Referees

- **Dr. Muhammad Iqbal Hossain:** Associate Professor, BRAC University. Email: iqbal.hossain@bracu.ac.bd
- **Belayet Hossain:** Head of Network Infra & Security, Nagad Ltd. Email: belayet.hossain@nagad.com.bd
- **Md. Imranul Islam:** Lead Engineer, Nagad Ltd. Email: imranul.islam@nagad.com.bd