

Tasnimul Hasnat

Software Developer · Cybersecurity Analyst · Open Source Enthusiast
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About Me

I'm a final semester undergraduate student with a keen interest in open-source projects. I actively seek out opportunities to learn and grow, specially within collaborative team environments where I can contribute to technological innovations. Adept at bug hunting and vulnerability detection, I excel at performing under tight deadlines and pressure.

Education

Islamic University of Technology

CGPA: 3.77 out of 4.00 | Position: 19th

B.Sc in Computer Science & Engineering

Jan 2020 - Present

Dhaka Residential Model College

GPA: 5.00 out of 5.00

Higher Secondary Certificate

2017 - 2019

Dhaka Residential Model College

GPA: 5.00 out of 5.00

Secondary School Certificate

2015 - 2017

Experience

Beetles Cyber Security Ltd.

Became familiarized with vulnerability assessment and malware development.

PenTest Intern

Achievements

🏆 BUET CSE Fest CTF 2023

Champion among 100+ teams.

🏆 DU Cefalo ITVerse CTF 2023

4th among 60+ teams.

🏆 RITSEC International CTF 2023

7th among 710+ international teams.

🏆 SUST SWE Technovent CTF 2023

6th among 40+ teams.

🏆 RIOT Flaghunt CTF 2022

8th among 80+ teams.

🏆 Awarded IUT-OIC Partial Scholarship

Scholarship awarded for 3 Years equivalent to \$13500.

Projects

Abaash

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🔗 EJS, ExpressJs, MariaDB, Bulma

Abaash is a user-friendly web application designed to facilitate flat searches and rentals for IUT students, while simplifying property management for flat owners.

Broke_No_More

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🔗 Python, Keras, Pandas

Developed an LSTM-based deep learning model to forecast stock price movements in the Dhaka Stock Exchange, enhancing investment decision-making with accurate predictions.

Fox's Tale

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🔗 C++, SFML

A modern tribute to the classic Rapid Roll game, built with SFML. Players control a ball navigating through rising platforms while avoiding obstacles and collecting bonuses. With updated graphics, sound effects, power-ups, and achievements.

Outbreak

🐙 orkhasnat/Outbreak

🔗 C++, SFML

Developed a viral simulator to model virus spread, incorporating parameters like transmission rate, mortality rate, and incubation period. Users can adjust these parameters to analyze their impact on virus transmission dynamics.

ISC-BD

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🔗 Astro, TypeScript, Tailwind

Developed a comprehensive full-stack portfolio website for a non-profit NGO. Managed the entire development lifecycle, from initial conceptualization to deployment.

Skills

Programming Languages

C, C++, Java, Go, Python, JavaScript, SQL, x86 Assembly

Libraries & Frameworks

Astro, React, Tailwind, SFML, ExpressJS, Pandas, Keras

Other Tools

Git, Bash, Linux, Docker, Excel, Burp Suite, UML, LaTeX

Database

Oracle, MySQL, MariaDB

Co-Curriculars

🏆 Member of IUT Genesis, team ranked 1st in CTFtime in Bangladesh (2023).

🏆 Organizer and Problem Setter of IUT 11th National ICT Fest 2024.

🏆 Problem Setter at KnightCTF 2023.

🏆 Organizer and Problem Setter of Intra IUT Coderush Competition 2023.

🏆 Volunteer at Intra IUT Hackathon Competition 2023.

🏆 Instructor at IUT CTF Club.

🏆 Participated in various national and international CTF (Capture the Flag) competitions since 2022.