Tasnimul **Hasnat**

Software Developer · Cybersecurity Analyst · Open Source Enthusiast

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About Me

I'm a recent graduate with a passion for technology and a strong interest in open-source development. I flourish in collaborative environments, actively seeking opportunities to learn and grow while excelling under pressure and tight deadlines. Eager to apply my skills and enthusiasm to contribute meaningfully to innovative projects aimed at the betterment of society.

Education

Islamic University of Technology   *B.Sc in Computer Science & Engineering*
CGPA: 3.77 out of 4.00   *Jan 2020 - Present*

Dhaka Residential Model College   *Higher Secondary Certificate*
GPA: 5.00 out of 5.00   *2017 - 2019*

Dhaka Residential Model College   *Secondary School Certificate*
GPA: 5.00 out of 5.00   *2015 - 2017*

Experience

Beetles Cyber Security Ltd.   *PenTest Intern*
Became familiarized with vulnerability assessment and malware development.

Projects

Abaash   🐙 *orkhasnat/Abaash*
</> **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   🐙 *orkhasnat/Broke_No_More*
</> **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   🐙 *orkhasnat/Foxs-Tale*
</> **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   🐙 *orkhasnat/ISC-BD*
</> **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

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.*

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.