

MD SABBIR HOSSAIN

CSE Undergraduate Student

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Address: Mirpur-12, Osmani Hall, Bangladesh

Education

- **Military Institute of Science and Technology** Dhaka, Bangladesh
BSc in Computer Science and Engineering: CGPA 3.01 out of 4.00 after Level 4 Term 1 Nov 2025
- **Mirpur Cantonment Public School and College** Dhaka, Bangladesh
Higher Secondary School Certificate: GPA 5.00 out of 5.00 Dec 2021
- **Adamjee Cantonment Public School** Dhaka, Bangladesh
Secondary School Certificate: GPA 4.94 out of 5.00 Mar 2019

Experience

- **MIST Cyber Security Club** Dhaka, Bangladesh
Vice President - Research and Development Committee July 2025
- **MIST Computer Club** Dhaka, Bangladesh
Executive Director - Event Management, Organizing and Photography July 2025
- **NEXT Ventures** Dhaka, Bangladesh
Trainee - Industrial Training for 15 days at NEXT Ventures May 2025

Projects

- **VenueVista - Football Ground Booking App** Software Development-II
Technology: Flutter, Supabase Nov 2025
A football ground booking mobile application where multiple grounds are managed under a centralized system.
- **Portfolio** May 2025
Technology: Next.js, Tailwind CSS
A concise showcase of my creative and technical projects, blending design, development and innovation.
- **RAG** Offline PDF Assistant
Technology: Python, LM Studio, FAISS, HuggingFace, Tailwind CSS, Next.js May 2025
Retrieval-Augmented Generation (RAG) is a method that combines search with AI. Retrieval of relevant information from documents (such as PDFs) and then use language model to generate accurate answers based on those data.
- **PagePlay** Software Development-I
Technology: Figma, TypeScript, React, shadecn, NodeJS, TailWind CSS Jan 2025
Ultimate destination for exploring, purchasing, and enjoying eBooks across all genres.
- **EnviroLink** Database Academic Project
Technology: HTML, CSS, JavaScript, Node JS, Express JS, SQL, Oracle. Sep 2024
A Smart Waste Management System leverages advanced technologies to enhance The efficiency, cost-effectiveness, and sustainability of waste collection and disposal processes, using real-time data and predictive analytics to optimize operations.
- **DIY Fire Fighting Robot** Micro-Controllers Project
Technology: Arduino, Python, Javascript Sep 2024
A DIY fire-fighting robot is a project that involves building a robot capable of detecting and extinguishing small fires autonomously
- **Legal Enforcement System** Java Language Project
Technology: Java and FX. Dec 2023
A desktop application made for Police station management where all records regarding judges, police officers, and criminals are handled efficiently.

- **Irrigation System**

Technology: Arduino, Python, Javascript

An irrigation system is designed to automate and manage the distribution of water to crops or landscapes efficiently, ensuring optimal growth while minimizing water wastage.

Electrical Circuit Analysis Project

Apr 2022

Skills

- **Programming Languages:** C, C++, JavaScript, HTML, TypeScript, Python, Tailwind CSS
- **Frameworks:** Node.js, Next.js, Express.js, React
- **Tools:** Git, Github, MySQL, Oracle, Arduino, LM studio
- **Operating Systems:** Windows, Linux

Achievements

- 22th place in Al Khwarizmi CTF
- 9th place in BUP-CTF 2025
- 18th place in UAP CYBER SIEGE 2025
- 19th place in PHOENIX SUMMIT 2025
- 250th out of 3009 teams place in Nahamcon 2025 (International CTF)
- 14th Place at Independence Day Programming Contest 2023
- 85th place in MIST LEETCON 2023 HACKMEIFYOUCAN
- Hands on Ethical Hacking and Security Analysis Course

Other Participations

- Participated in BUET Math Olympiad 2022
- Participated in AUST Soccer Bot 2022
- Participated in BCS ICT FEST - 2025