Mustakim Bin Mohsin

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EDUCATION

University of Dhaka Expected Data of Graduation: September 2026

B.S. in Software Engineering CGPA: 3.82 (Till the 5th semester)

Notre Dame College Dhaka, Bangladesh

Higher Secondary Certificate GPA: 5.00 December 2021

Police Line's School and College Kushtia, Bangladesh

Secondary School Certificate GPA: 5.00 April 2019

PROJECTS

Shosti | Team Project

Jan 2025 - March 2025

 Developed a full-stack mental health platform with JWT authentication, AI chatbot (Google Gemini API), real-time video calls (ZegoCloud SDK), media storage (Cloudinary), and email notifications (MailSend API). Integrated SSLCommerz Sandbox API for secure payment handling. Built RESTful APIs and responsive React/Tailwind CSS interfaces with a focus on accessibility.

⊗ Connect Four | Software Developer

May 2025

• Developed a Connect Four game in Lua, integrating the Minimax algorithm for intelligent move selection and enhanced AI performance by fine-tuning the evaluation function for faster decision-making.

⊗ Smart-Library-System | *Software Developer*

May2025 – Ongoing

Developing a distributed library management system, demonstrating a monolithic to microservices architecture

August 2023 – December 2023

 Developed a user-friendly tool provides real-time network traffic analysis, capturing live data from Ethernet/Wi-Fi and loading PCAP files. It offers robust protocol decoding for Ethernet, IP, TCP/UDP, displaying key packet details like IP addresses, ports, and payload. The tool also includes basic security analysis, specifically detecting SYN flood attacks in pre-captured traffic.

S Upazila Health Complex Management System SRS | Requirements Analyst

Jan 2024 - June 2024

 Co-authored a detailed Software Requirements Specification (SRS) document for an Upazila Health Complex Management System, fulfilling coursework requirements.

August 2023 - December 2023

• Developed a Java-based clone of the popular Flappy Bird game. The game features a bird that the player can control to navigate through pipes while trying to achieve the highest score possible.

SKILLS

Programming Languages: Java, Python, SQL, Node.js, React.js, Next.js, C++, C, Lua, JavaScript, HTML/CSS, PHP **Tools:** Git, GitHub, Linux/UNIX, MySQL, MongoDB, Zegocloud, Cloudinary, Docker, Postman, Selenium.

ACTIVITIES AND ACHIEVEMENTS

IIT Software Engineers' Community

Assistant Treasurer

June 2025 – Present

Executive Member

September 2022 - May 2025

Member of an organization of 50+ software engineering students, hosting industry-relevant seminars and nationwide tech events.

Bangladesh Physics Olympiad

March 2019

Awarded Certificate of Participation in the National Round for High School Students

References

Dr. Ahmedul Kabir

Associate Professor Institute of Information Technology University of Dhaka Email: kabir@iit.du.ac.bd