

SM NABIL AUSAF

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About Me

Dedicated Computer Science and Engineering student with a strong foundation in software development, algorithms, and data structures. Passionate about leveraging technology to solve real-world problems through clean, efficient code. Experienced in Python, Java, and C++, with growing expertise in machine learning, web development, and cloud computing. A quick learner who thrives in collaborative environments and enjoys tackling complex challenges to build innovative, user-centric solutions.

Education

B.Sc. in Computer Science & Engineering
Dhaka International University
June 2023 – Present

Higher Secondary Certificate (HSC)
Govt. Yasin College, Faridpur
Group: Science | GPA: 5.00

Technical Skills

- Programming Languages: C, C++, Java, Python
- Tools & Technologies: MS Word, Excel
- Areas of Interest: Machine Learning, Web Development, Cloud Computing, Data Structures & Algorithms

Projects

Hostel Management System

Language: C

- Developed a console-based application to manage student registration, room allocation, and fee processing.
- Implemented user authentication, file-based data storage, and automated report generation for efficient hostel administration.
- Enhanced operational workflow by digitizing manual record-keeping processes.

Bubble Shooter

Language: Python (Pygame)

- Built a color-matching puzzle game featuring grid-based bubble placement and scoring logic.
- Designed intuitive gameplay mechanics with collision detection and level-based difficulty.
- Improved player engagement with dynamic visuals and responsive controls.

Chat App Prototype

Framework: Flutter + Firebase

- Designed a real-time chat application prototype with secure login and message persistence.
- Integrated Firebase Authentication and Firestore for user management and chat storage.
- Implemented modern chat UI, local caching, and offline message support.

Sudoku Solver

Language: Java (Swing GUI)

- Created an interactive Sudoku-solving application using backtracking algorithms.
- Implemented a color-coded GUI for real-time validation and enhanced user experience.
- Enabled instant puzzle solving and step-by-step visualization of algorithm logic.

Languages

- English (Professional Working Proficiency)
- Bangla (Native)
- Hindi (Conversational)

Extracurricular Involvement

- Former Executive Member, Computer Programming Club (CPC)
- DIU Speakers Club Public, speaking & event coordination experience.

SIGNATURE

Nabil