

# Md Mahfuz Ibne Ali Ayon

+880 1870904312 | [bsse1421@iit.du.ac.bd](mailto:bsse1421@iit.du.ac.bd) | <https://www.linkedin.com/in/mahfuz-ayon-b64330246/>  
<https://github.com/Mahfuz-Ayon73>

## Education

**BSc in Software Engineering**, Institute of Information Technology, University of Dhaka 2022–Present

CGPA: 3.58 (till 5th semester)

**Higher Secondary Certificate**, Ideal College, Dhanmondi, Dhaka (2021) GPA: 5.00/5.00

**Senior Secondary Certificate**, Willes Little Flower School and College, Kakrail, Dhaka (2019) GPA: 5.00/5.00

## Technical Skills

- **Programming Languages:** C, C++, Java, Python, Dart
- **Frameworks & Libraries:** React, NodeJS, Express, Flutter, Spring Boot, NumPy, Tailwind CSS
- **Web Technology:** HTML, CSS, JavaScript, PHP
- **Databases:** Oracle SQL, MySQL, MongoDB, Firebase
- **Tools & Platforms:** Git, GitHub, Postman, Render, Wireshark, Docker
- **Core Concepts:** DSA, OOP, SOLID Principle, Design Patterns, SDLC, SRS, Testing

## Projects

**BigganPathshala** (2025) GitHub Link: <https://github.com/CodeWithIsmail/BigganPathshala>

- Interactive science learning and science content-sharing platform with tutorials, blogs, and quizzes.
- Collaborated with Team DU\_CodeSynthesis at S.N. Bose National Science Olympiad IT Hackathon.

**Smart Library System** (2025) GitHub Link: <https://github.com/Mahfuz-Ayon73/Smart-Library-System>

- A Smart Library Management system with Monolithic and Microservice Approach.
- Web App built with NodeJS, Express and MongoDB.

**GomokuAI** (2025) GitHub Link: <https://github.com/samdani91/GomokuAi>

- A desktop AI game built with Java. Minimax Algorithm, Alpha-Beta Pruning
- A team project for an AI course.

**Personal-Health-Tracker** (2024) GitHub Link: <https://github.com/CodeWithIsmail/HealthMate>

- Mobile App for Automated Medical Report Scanning using OCR and Health Record Tracking.
- A team project of SPL-2 course.

**Non-Negative Matrix Factorization** (2023) GitHub Link: <https://github.com/Mahfuz-Ayon73/SPL-1>

- A C++ project for performing Matrix Factorization with Lee and Seung Approach, GNMF, RNMF, RSNMF and Decision Tree
- Individual project for SPL-1 course.

## Achievements and Volunteering

- Participated and selected among the top 14 teams out of 50 on SN Bose Science Festival IT Hackathon 2025
- Volunteer in Flutter Frenzy – 2023, IITDU
- Executive Member of IITSEC, the student organization of Institute of Information Technology

## Reference

Dr. Ahmedul Kabir  
Associate Professor  
Institute of Information Technology, University of Dhaka