

Md Muktadir Mazumder

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HIGHLIGHTS

- Implemented data structures and algorithms in different course and freelance projects.
- Experienced in developing web application and designing databases for almost two years.
- Developed APIs using different design patterns in the course project.
- Experienced working in a team through distributing tasks among team members to complete a project within the deadline.
- Experienced working in different programming and scripting languages, front-end and back-end libraries and frameworks such as C, C++, Java, PHP, Python, HTML, CSS, Bootstrap, ReactJS, NodeJS, ExpressJS and **cloud services in AWS**
- Applied Git for software versioning while working in a group project.
- Experienced working with different software testing.

EDUCATION

B.Sc. [Software Engineering, Islamic University of Technology, Gazipur, Bangladesh]

- **CGPA:** 3.73/4.00 (Overall) | 3.9/4.0 (last two semesters),
- **Expected Graduation Date:** April 2024.

H.S.C [Science, Notre Dame College, Dhaka, Bangladesh]

- **GPA:** 5.00/5.00 [Golden], **Passing Year:** 2018

S.S.C [Science, The Millennium Stars School and College, Rangpur, Bangladesh]

- **GPA:** 5.00/5.00 [Golden], **Passing Year:** 2016

WORK EXPERIENCE

Handyman, [Course Project, 4/2021 – 7/2021]

- An online platform to connect landlords with skilled workers for household jobs.
- Designed a relational database management system for the application,
- Developed the front-end of the application,
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, MySQL, VS Code, Git.
- <https://github.com/Parasite-231/HandyMan>

Mugen Train [Course Project, 4/2022 – 5/2022]

- An online platform that simplifies the process of buying and reserving train tickets
- Designed a relational database management system for the application,
- Developed the front-end and a part of back-end of the application
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, MySQL, VS Code, Git, PL/SQL.
- <https://github.com/Team-Haikyu/Mugen-Train>

Shunbo [Course Project, 12/2021 – 5/2022]

- A web application that facilitates interactions among psychiatrists and users to share their feelings via status updates.
- Designed the relational database management system for the application,
- Developed the front-end of the application,
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, MySQL, VS Code, Git, PL/SQL, Laravel.
- <https://github.com/Team-Exorcist/Shunbo>

Rent-A-Space [Course Project, 11/2022 – 12/2022]

- An online platform to search and book rooms based on their preferences and budget. Hotel managers can create listings for their rooms, manage bookings, and communicate with guests.
- Designed the database management system for the application,
- Developed the front-end of the application
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, MySQL, VS Code, Git, PL/SQL

Bangla-Music-Cloud [Personal Project, 6/2022 – 7/2022]

- This online platform provides a large collection of Bangla songs from various artists. Users can listen songs and manage their favourite list of songs through this online platform,
- Designed the database management system for the application,

- Developed the front-end and back-end of the application,
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, VS Code, Git, SQL.
- <https://github.com/Parasite-231/Bangla-Music-Cloud.git>

Smart Property Management System [Freelance Project, 6/2022 – 8/2022]

- In this application, sensors' (e.g., Air pollution, humidity, temperature, wind speed, methane etc.) data are collected from different types properties located in different areas in near real-time and stored in a central database,
- Designed the database for the application,
- Designed a dashboard to generate alarms in near real-time and statistical data analysis,
- Developed the front-end and back-end section of the application
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, VS Code, MySQL, Git.

ETC-Group [Freelance Project, 1/2023 – 2/2023]

- A static web application that showcases a range of natural products made by the ETC-Group. Users can browse different products using an intuitive and responsive interface.
- Developed the front-end of the application,
- **Tools:** PHP, JavaScript, HTML, CSS, Bootstrap, VS Code, Git

Pacific-Engineering-BD [Freelance Project, 7/2021 – 8/2021]

- Developed an online platform that provides a range of services for its customers in Bangladesh. Users can access different services like lift fixing, AC fixing, and other relevant services through this online platform.
- Developed the front-end of the application.
- **Tools:** JavaScript, HTML, CSS, Bootstrap, VS Code, Git.

Relevant Courses

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| <ul style="list-style-type: none"> • Introduction to Software Engineering, • Structured Programming (C), • Discrete Mathematics, • Design Patterns (lab (Java), theory), • Server Programming (lab and theory), | <ul style="list-style-type: none"> • Object Oriented Concepts (lab (Java) and theory), • Data Structures (lab (C++) and theory), • Algorithms (lab (C++) and theory), • Linear Algebra, • Numerical Methods, | <ul style="list-style-type: none"> • Database Management Systems (lab (Oracle) and theory), • Software Project (lab and theory), Data Communications and Networking (lab and theory). • Probability and Statistics, Operating Systems (lab and theory), • Introduction to Cloud Computing (lab and theory) |
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Co-curricular activities

Intra IUT Hackathon, [18/03/2023– 19/03/2023]

- Participated as part of a team of four people in a 48-hour-long hackathon.
- Developed a web application.
- Passed all four checkpoints (**designing and planning, implementation, debugging and refactoring, and final internal evaluation**) and stood among the top 10 finalists out of 26 teams.

Languages

- Bangla (Native)
- English (Bilingual)

Interests

- Competitive programming, Reading books, Travelling etc.