

MD ABUL ALA MOUDUDI | Under-Graduate School Student

🏠 Temporary: Niribili, Savar, Dhaka - 1344

🏠 Permanent: Billah, Chalkvarunia, Joypurhat Sadar, Joypurhat - 5900

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About

Motivated fourth-year CSE student skilled in C, Java and Python. Passionate about innovative research in Blockchain, Machine Learning and Artificial Intelligence with strong analytical abilities to contribute effectively to cutting-edge projects.

Research Experience

Published Paper: Comparative Analysis Based on DeepSeek, ChatGPT, and Google Gemini: Features, Techniques, Performance, Future Prospects 🔗

Submitted Paper: LSTM-Integrated Model for Sentiment Analysis Combining BoW, TF-IDF Features, and Performance Analysis of Conventional Machine Learning Models

Ongoing Research: Brain Tumor Detection in MRI Images using advanced Machine Learning techniques.
Developing an optimized machine learning model aimed at enhancing diagnostic accuracy in brain tumor detection

Research Interest

• Blockchain • Cyber Security • ML • DL • AI • Cloud Computing • Health Care and Robotic Management in Health Care

Education

B.Sc in Computer Science & Engineering (CSE) Feb 2022 – Running

Institute: National Institute of Textile Engineering & Research (NITER)

University: University of Dhaka | Dhaka, Bangladesh

• CGPA: 3.62/4.0

• **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Fundamental Programming & OOPs, DBMS, Networking & Operating Systems, AI & Machine Learning and Software Designing

Higher Secondary in Science Aug 2018 - Jan 2021

Mohipur Hazi Mohshin Govt. College | Joypurhat, Rajshahi, Bangladesh

Secondary in Science Jan 2016 - June 2018

Joypurhat Siddikia Kamil Model Madrasha | Joypurhat, Rajshahi, Bangladesh

Academic Projects

- **Talanttown Software (A DBMS & Web Application Software Project)**
Developed a robust DBMS and Web Application using MySQL for backend management and Python integrated with Selenium for automated testing scripts
- **Police Record Management System (A DBMS project storing and retrieving data in Database)**
Designed and implemented a database system using MySQL for secure record management, with Python for backend processing and Java for a user-friendly interface
- **Petuk (Smart Food Recipe App)**
Developed an Android application using Java in Android Studio, featuring advanced recipe management and search functionalities for seamless user experience
- **NCC app (A Club Management Application)**
Built a cross-platform club management application using Flutter, streamlining user registration, event scheduling, and communication processes
- **Smart Irrigation and Water Management System**
Developed an IoT-based system using ESP-32 and Arduino UNO to automate plant watering and water pump control, ensuring efficient water usage through real-time soil moisture and water level detection.

Work Experience

Assistant Teacher (Science), Hazi Jan Mohammad High School

Jun 2025 - Running

An educational institution committed to nurturing scientific curiosity through quality teaching, hands-on experiments, and academic guidance

Web: [Hazi Jan Mohammad High School](#) | Email: info@hazijanmohammadhs.edu.bd

Key Responsibilities:

- Conduct engaging science classes following the national curriculum with practical demonstrations and experiments.
- Assist in preparing lesson plans, assessment materials, and student progress reports in coordination with the academic team.
- Encourage scientific thinking among students through extracurricular activities such as science fairs, Olympiads, and group projects.

Executive Director & Moderator , Research Ustad

Dec 2024 - Running

An academic platform supporting research students through writing, publishing, and tool guidance

Web: [Research Ustad](#) | Email: info@researchustad.org

Responsibilities:

- Managed and collaborated with all research teams to ensure comprehensive support in writing, publishing, and research tools.
- Conducted workshops and courses to mentor students in higher studies preparation and research methodologies
- Managed the organization's social media presence, ensuring effective engagement and outreach to target audiences.

Head of IT & Co-Founder, Warishaan Apparels Limited

Aug 2024 - Running

Ashulia, Savar, Dhaka, Bangladesh

A garments manufacturing company specializing in sustainable and high-quality apparel production for export markets

Web: [warishaan apparels limited](#) | Email: director@warishaanapparels.com

Responsibilities:

- Directed comprehensive IT operations, ensuring secure network protocols, efficient data management, and seamless software system integration to streamline business functions.
- Ensured network security and seamless operation of software systems while integrating advanced technologies for business growth.
- Supervised IT team operations, troubleshooting technical issues, and coordinating with other departments to achieve organizational objectives.

Field Supervisor (TAP Application) , Mutual Trust Bank (MTB)

May 2021 - Sep 2021

Joypurhat, Rajshahi ,Bangladesh

Responsibilities:

1. **Team Management:** Supervised and coordinated a team of 100 individuals, ensuring efficient workflow, task delegation, and adherence to organizational goals.
2. **Operational Oversight:** Ensured smooth execution of the TAP application process, overseeing daily operations, and resolving any challenges or issues arising in the field.
3. **Guidance and Training:** Provided guidance and on-the-job training to team members, ensuring that they were well equipped to meet performance standards and comply with banking protocols.

Co-Curricular Activities

Invigilator - SSC Exam 2025

April 2025 - Running

- The SSC (Secondary School Certificate) exam in Bangladesh is a public exam administered by the government, specifically by the Boards of Intermediate and Secondary Education (BISE). It's a crucial exam for students completing their

10th grade (Secondary School Certificate) and is the equivalent of O-Levels in the UK.

Assistant Exam Controller - The Student Welfare Association Savar <ul style="list-style-type: none">• Conducting 02 yearly scholarship exam where more than 4 thousand student's attendees every year.	Jan 2023 - Running
Campus Ambassador - ICT Olympiad Bangladesh, Season 2 <ul style="list-style-type: none">• Bangladesh's premier and most impactful annual ICT Olympiad, bringing together students in a celebration of innovation and excellence	Aug 2024 - Running
Organizing Secretary - NITER Computer Club (NCC) <ul style="list-style-type: none">• Fosters innovation and hands-on learning in Computer Science and Engineering through workshops, competitions, and collaborative projects.	2024 - 25 Session
General Member - NITER Islamic Society (NIS) <ul style="list-style-type: none">• Organized events fostering spiritual growth and community outreach, including workshops, discussions, and charity drives, enhancing campus engagement.	2022 - Running
District Admin Manager - ICT Olympiad Bangladesh , Season 1 <ul style="list-style-type: none">• Bangladesh's premier and most impactful annual ICT Olympiad, bringing together students in a celebration of innovation and excellence	Apr 2022 - Nov 2023
Private Tutor <ul style="list-style-type: none">• Providing personalized home tuition to students from Grade 4 to Grade 12.• Subjects include Science, Physics, Chemistry, ICT, General & Higher Mathematics and English.• Focused on conceptual understanding, exam preparation, and academic improvement.	Jun 2019 – Present

Skills

• Problem-Solving • Creative Thinking • Leadership Quality • Adaptability • Strong Communication

Technical Skills

- **Programming Languages:** C, Java, Python
- **Web Development:** HTML, CSS
- **Database Management:** MySQL
- **Version Control:** Git, GitHub
- **Development Tools:** Visual Studio, Eclipse, IntelliJ IDEA, NetBeans, PyCharm, Android Studio
- **Cloud & Virtualization:** Oracle VM, Microsoft SQL Server
- **Office Tools:** MS Word, MS PowerPoint, MS Excel, MS Power BI, Google Workspace
- **Other Skills:** Data Structures, Algorithms, Problem-Solving

Linguistic Proficiency

• English (Fluent); IELTS Band Score: 7.5 • Bangla (Native) • German (Beginner Level)

Awards & Prize

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| • 2nd Position: Open Book Quiz Contest, Organized by the NITER Islamic Society | 2024 |
| • Best Volunteer Award: The Student Welfare Association Savar | 2024 |
| • 1st Position: Associate Intellectual Test, Organized by BICS | 2023 |
| • 1st Position: Islamic Quiz Contest, Organized by NITER Islamic Society | 2023 |
| • 1st Position: Associate Intellectual Test, Organized by BICS | 2022 |
| • DU Full Funded Scholarship: For Private Constituent Institutions of the University of Dhaka, covering all academic tuition fees, excluding the form fill-up fees for each semester. | 2022 |

Workshop & Seminar

- **WRITING RESEARCH ARTICLES AND PUBLICATIONS WORKSHOP**
Conduct by Research and Integrated Thought Ltd. (RIT)
- **WEB APPLICATION DEVELOPMENT WORKSHOP**
Conduct by Mr. Md Sahal, Associate Software Engineer Brain Station 23 PLC
- **Web and Software Development Seminar**
Conduct by ANISUL ISLAM, Full Stack Trainer and Software Engineer
- **Basic IOT and Robotics Workshop**
Conduct by Bangladesh Flying Labs

Reference

Anichur Rahamn

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Dipanjali Kundu

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