Md. Abdulla Al **Masud**

B.Sc. in Compute Science & Engineering

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Summary

Inquisitive Computer Science & Engineering student proficient in programming, mathematics, and cross-platform development. Passionate about applying technical skills to solve real-world challenges, particularly in Data Science and software innovation. Skilled at simplifying complex concepts and collaborating in teams. Eager to contribute analytical problem-solving and technical expertise to entry-level roles that prioritize growth, creativity, and meaningful impact. Committed to lifelong learning and driving solutions in dynamic environments.

Education

University of Liberal Arts Bangladesh — *688, Beribadh Road, Dhaka-1207*

B.S. in Computer Science and Engineering — *February. 2021 - October. 2025*

CGPA: **3.43**

Ideal College, Dhanmondi — *65 Central Rd, Dhaka 1205*

Higher Secondary Certificate

GPA: **3.50**

Ibn Taimiya School and College, Cumilla — *Tomsom bridge, Cumilla*

Secondary School Certificate

GPA: **4.83**

Skills

Programming Language	C, C++, JavaScript, Bash, Java , PHP, Python
Front-end	HTML, CSS
Database	MySQL
Software and Tool	NS2, VS Code, Intellij, NetBeans, Linux
Languages	Bengali, English

Reserach Experience

2024 **Deep Learning Approach for Multi-label Bangla Social Media Cyberbully, Sexual, Threat, Religious and Spam Comments Detection,** 2nd International Conference on Information and Communication Technology (ICICT) — *IEEE, 2024*

2024 **A Transformer Based Approach for Analyzing Scrapped E-Commerce Product Reviews from Social Media Platforms with Explainable AI,** 27th International Conference on Information and Communication Technology (ICICT) — *IEEE, 2024*

Projects

Real Time Chat Application — *Full-Stack, PHP*

Developed a web-based platform that aims to provide users with a seamless and engaging chat experience. The platform has been developed using a combination of HTML, CSS, JavaScript, PHP, MySQL, and AJAX technologies. The application provides users with a range of features that allow them to create an account, store their information in a database, and communicate with other users in real-time.

Technologies used: HTML, CSS, JavaScript, PHP, MySQL, VS Code, GitHub, XAMPP, AJAX.

Blood Bridge - A blood bank monitoring system — *Full-Stack, PHP*

Developed a secure and user-friendly desktop application to manage donor and blood stock data for a blood bank. Key features include login-based access control, donor registration and updates, area and blood group-based donor search, stock tracking, and printable reports. Integrated with SQL database for real-time data storage and retrieval. The system aims to streamline operations in blood banks and support critical medical needs efficiently.

Technologies used: Java, MySQL, GitHub, XAMPP, Intellij IDE.

Human Facial Emotion Recognition *machine learning / deep learning*

Built a deep learning model using Convolutional Neural Networks (CNNs) to detect human facial expressions across seven emotion classes. Preprocessed grayscale facial images and implemented a custom CNN architecture with dropout and batch normalization. Evaluated performance with precision, recall, and F1-score metrics, targeting applications in healthcare and user-experience enhancement.
Technologies used: Python, TensorFlow/Keras, FER-2013 Dataset, Jupyter Notebook.

Kitchen Safety Automation System *Embedded Systems / IoT Hardware*

Designed a microcontroller-based kitchen safety system using Arduino to detect gas leaks and smoke, activating alarms, exhaust fans, and lights automatically. The project integrated multiple sensors and actuators to create an automated response system, ensuring kitchen safety. It addressed complex engineering problems involving hardware-software interfacing, component optimization, and real-time system response.
Technologies used: Arduino UNO, C++, Sensors (MQ2), Buzzer, Relay, Actuators

Honors & Awards

2023 **Champion,** CSE Project Competition *Fall, 2023*

Extracurricular Activity

ULAB Rotaract Club

Vice President *October 2024 - February 2025*

Drove leadership development, community service, and cultural exchange initiatives aligned with fostering ethical, proactive leaders. Key responsibilities included: leading community projects addressing societal needs (education, sustainability, welfare); organizing workshops and mentorship programs for skill development; promoting cultural diversity through events; collaborating with partners to amplify impact; and ensuring sustainable practices in club activities. Aimed to inspire members to lead with integrity while upholding the vision of socially responsible leadership.

References

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