

# Md Masum Billah

[GitHub](#) | [Linkedin](#) | [Portfolio](#)

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## CAREER OBJECTIVES

Aim to build digital products without being limited by technological boundaries, rather focus on ideas that can be turned into life through software that make impactful changes in humans lifestyle.

## PROFESSIONAL ADVENTURE

### Lucid Innovation

Jan 2023 - Present

I had successfully completed 7 full stack projects showcasing my proficiency in MERN stack and related technologies.

- ❖ Developed REST APIs using Express.js for a travel guidance application, integrates Google Map API for location based services.
- ❖ Converted REST APIs into a GraphQL API for an e-commerce platform to improve data querying flexibility and performance.
- ❖ Developed a full-stack house renting platform using Next.js(frontend) and Express.js(backend), featuring authentication and property listings.

## ENGINEERING ACTIVITIES

### HandyMath

Apr 2025 - Present

A computer vision gesture calculator that helps visually impaired users by drawing numbers and operators in the air via webcam and computes the result in real time.

Features:

- ❖ Gesture-to-symbol mapping(Right hand: digits 0-9, Left hand: operators(+, -, \*, /, (, ), =).
- ❖ Calculate nested expressions with parentheses and fallback for invalid input.
- ❖ Support matrix calculation such as addition, subtraction, multiplication and determinants.

Technologies: OpenCV, MediaPipe

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### Joinify

Apr 2025 - May 2025

A web application unifies all student organizations within a campus under one digital roof which make student involvement more accessible.

Features:

- ❖ Members can initiate membership fees digitally.
- ❖ Club executives(president, secretary, accountant) can manage events, fee records.
- ❖ Advisor monitors and manages clubs and club roles.

Technologies: Laravel, Tailwind CSS, SSLCommerz

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### VroomGo

May 2024 - July 2024

A mobile application connecting car rental services and its customers, offering a smooth intuitive experience from discovery to booking.

Features:

- ❖ Booking is initiated by sending requests and making advance payment.
- ❖ Show real-time booking countdown.
- ❖ Renter provides feedback after trip completion.

Technologies: Java, XML, Next.js, Google Maps API, SSLCommerz

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### GigAnalyzer

Apr 2025 - Apr 2024

A web scraping and AI-powered analysis tool that helps freelancers uncover market trends on the Fiverr platform.

## Features:

- ❖ Generate optimized title and description using Generative AI based on scraped keywords..
- ❖ Suggest the most effective(5) keyword combination to improve gig visibility.
- ❖ Stored all scraped tags for SEO research.

Technologies: LangChain, NumPy, Pandas, Matplotlib, BeautifulSoup

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## SKILLS

Front End : React.js, Next.js, Redux, Javascript, Tailwind CSS

Backend : Express.js, Node.js, Laravel, GraphQL

Database : MySQL, MongoDB

Mobile App: XML, Java, Android Studio

AI/ML: LangChain, OpenCV, NumPy, Pandas, Scikit-Learn, Matplotlib

IoT: ESP32, Arduino

Tools: Git, Postman, XAMPP

## ACHIEVEMENTS

SL	Title	Rank
1	DIU EEE Fest 2025 organized by EEE Club, DIU	7th place, Project Showcase
2	NSTU EEE Day 2024 organized by EEE Club, NSTU	4th place, Programming Contest
3	NSTU ICE TechCombat organized by ICE Club, NSTU	4th place, Programming Contest
4	NSTU IIT Intra Programming Junior Contest organized by IT Club, NSTU	1st place, Programming Contest

## ONLINE JUDGES

I have successfully completed solving 250+ problems across various online judges.

- ❖ [Codeforces](#): Max Rating - 978(newbie), Solved Count: 85+
- ❖ [CodeChef](#): Max Rating - 1342(★), Solved Count: 200+
- ❖ [LeetCode](#): Solved Count 65+

## EDUCATION

Bachelor of Science in Software Engineering  
Noakhali Science and Technology University

March 2022 - Present  
CGPA: 3.22

## TRAINING

SL	Title	Description
1	Mastering Data Structure and Algorithms using C and C++ by <i>Abdul Bari</i>	Gained in-depth understanding of fundamental data structures and algorithms with hands-on implementation in C and C++.
2	Competitive Programming Essentials, Master Algorithms by <i>Coding Minutes</i>	Learned problem-solving skills for coding competitions including graph theory, greedy algorithms and number theory.

## REFERENCES

**Md. Iftekharul Alam Efat**  
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