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# Md Abdullah Al Mamun

## Software Engineer

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## EXECUTIVE PROFILE

Recently graduated from the Computer Science and Engineering department with a strong ability to independently design and implement projects using HTML, CSS, JavaScript, React and Node.js. Proficient in C/C++/JavaScript/SQL language, I have knowledge of Object-Oriented Programming (OOP), RESTful Architecture, software architecture, and relational databases (RDBMS). I have also solved many coding problems.

## SKILLS

- ☐ OOP Clear Concept
- ☐ Restful Architecture
- ☐ Software Engineering Basic Principles
- ☐ Relational Database Management System (PostgreSQL, MySQL)
- ☐ MVC Web Architecture
- ☐ Programming Languages (C++, C, JavaScript, Java, Ruby, SQL Etc.)
- ☐ Working Experience With (React, Express.js, Node.js, Rails, Spring Boot, HTML, CSS, Tailwind)
- ☐ Experience in Web3 (Blockchain, Cryptocurrency)
- ☐ Problem Solve on Different Platform

## EXPERIENCE

**Syftet Ltd, Dhaka - Bangladesh** - Software Engineer

May 2024 – August 2024, [www.syftet.com](http://www.syftet.com)

- ☐ Learned and applied RESTful architecture principles.
- ☐ Gained understanding of MVC web architecture.
- ☐ Foundational knowledge of the Ruby on Rails framework.
- ☐ Completed basics of SQL and relational databases.
- ☐ Developed proficiency in HTML, CSS, and JavaScript basics.
- ☐ Built an e-commerce application using the Ruby on Rails framework.

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## EDUCATION

### Bangabandhu Sheikh Mujibur Rahman Science and Technology University (BSMRSTU), Bangladesh–

BSc in Computer Science and Engineering

2019- 2024

## PROJECTS

### Online Printing System - [render](#)

HTML, CSS, JavaScript, Node.js, MySQL, Render

Login and signup capabilities, distinct user roles (users, agents and admin). Users can place orders for photocopies of PDFs, receiving a price quote and an automatically generated order slip upon completion. Agents manage these orders and coordinate delivery to users.

### Blockchain and Cryptocurrency - [github](#)

HTML, CSS, JavaScript, Python, Flask

Implemented a blockchain and cryptocurrency platform using Python, HTML, CSS, and JavaScript, featuring transaction validation, mining with proof-of-work, and prevention of double-spending through secure transaction signing and chain consensus mechanisms.

### Books Store - [github](#)

HTML, CSS, JavaScript, Tailwind CSS, Ruby on Rails, Internationalization, Broadcast, Sqlite3

Developed an e-commerce application using the Ruby on Rails framework for a book store, following standard RESTful architecture and the MVC pattern. Implemented features such as TurboStream, Action Mailer, Active Job, and Action Mailbox. The application includes session management, user authentication and automatically sends email notifications

### Imagine E-commerce - [render](#)

HTML, CSS, JavaScript, Tailwind CSS, Express.js, Node.js, MongoDB, Stripe, Render

Built a responsive e-commerce platform with secure JWT authentication, Google, Facebook, and Twitter login (Passport.js). Integrated Stripe for payments, an admin panel for product management, file uploads (Multer), and a basic recommendation feature. Included advanced search with product filters.

### Imagine Community - Social Media Platform- [github](#)

React, Tailwind CSS, Socket.io, WebRTC, Node.js, Express.js, MongoDB

Imagine Community is built on top of Imagine E-commerce. Built with React on the frontend, where users can share stories and posts, follow others, and engage through likes and comments. Supporting multiple images and videos in posts that can be navigated with a sliding feature. The app features real-time chat using Socket.io and audio/video calling with WebRTC.