



# Sifat Abdullah

Jr. Software Developer

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## PROFILE SUMMARY

I am an ambitious graduate of Computer Science and Engineering from BRAC University with a strong passion for software development and testing. To enhance my knowledge and develop my professional abilities, I am looking for an internship or full-time employment with a reputable organization. Adept at developing various tools and applications by writing clean and efficient code, analyzing systems to make operations better, and automating tasks with the right tools and scripting.

## KEY SKILLS

- Web application development • Backend Development • Blockchain and Solidity
- Problem Solving • Unit testing

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, PHP, Javascript.
- **Web Technologies:** HTML, CSS, Bootstrap.
- **Framework:** Laravel.
- **Database:** My Sql, MongoDB.
- **Version Controll System:** git & github
- **Project Management tools:** Jira Software

## EDUCATION

Bachelor of Science in Computer Science and Engineering

2019 - 2023

**BRAC University**

- CGPA: 3.36/4.0

**Course modules:**

- Programming Language | Object-Oriented Programming | Algorithms | Data Structures | Probability and Statistics | Neural Networks | Cryptography and Cryptoanalysis
- Software Engineering | System Analysis and Design | Database Management Systems | Operating Systems | Computer Networks
- Data Communications | Microprocessors and Microcontrollers | Automata and Computability | Computer Architecture | Compiler Design | Introduction to Robotics

Higher Secondary Certificate

2016-2018

**Mirpur Cantonment Public School & College**

Secondary School Certificate

2014-2016

**Monipur High School & College**

## KEY PROJECTS

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- **Fashion e-commerce Store**

The system was developed using the Laravel framework and the MVC structure. The database management language is MySQL, and PHP is used on the backend. For the front end, a pre-built template is used. The system has a separate admin dashboard where you can manage orders, products, and other administrative tasks. To make it easier for clients to place orders, the user interface is kept simple.

 [Code](#)

- **Insurance Validation**

The purpose of this system is to authenticate customers in order to ensure the security of the health insurance system. The user is required to undergo a verification process for all digital data, which will later go through conversion into a smart contract and deployment onto the blockchain network.

 [Code](#)

- **Hiking assistant**

This is a hardware project for an academic course. The Arduino microcontroller and its corresponding code are in charge of controlling the system. BMP280, Neo 6M, DS18B20 sensors, and SIM 900A modules are used for tracking and emergency message transmission.

## THESIS

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- **Advanced health insurance system using smart contracts of the Ethereum blockchain:**

In this thesis, we propose to build a secure and efficient system for the unorganized health insurance sector to make it more reliable for the insurance service provider and the general public. It will reduce fraud activity and provide transaction security. implemented the smart contract of the Ethereum blockchain and used proof of authority as the consensus algorithm for security and reliability.

## LANGUAGES

- Bangla
- English