

# Mohammed Latif Siddiq

## CONTACT

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## EDUCATION

### BANGLADESH UNIVERSITY OF ENGINEERING & TECHNOLOGY

B. Eng. | Computer Science & Engineering  
2016 - 2021

Thesis: Detection and Removing SQL Injection by Code Refactoring with Unsupervised Learning

### NOTRE DAME COLLEGE, DHAKA

HSC | Science  
2013-201

## TECHNICAL SKILL

### Core

- Adaptive to any stack
- Problem solving and analytic ability
- Algorithm engineering
- Fluent in Java, C++, C, Python, Dart
- Skilled with VCS (Git)
- OOP, Design patterns
- Handling SQL (Oracle, MySQL) and NoSQL (MongoDB) DBMS
- Linux systems and server deployment
- Windows server 2016
- AWS (EC2) and Azure
- Desktop App Dev in JavaFX
- App Dev in Flutter
- Node.js and Django as backend

### Familiar with

- Data science and practical ML with Python
- Cybersecurity, IoT and Blockchain basics
- Assembly, MATLAB, Bash, Kotlin, JavaScript, PHP
- HTML, CSS
- Laravel, Native Android and JavaFX
- Firebase, Google Apps Script
- Software Defined Networking (SDN)
- WordPress, Jekyll

### Other

- PyTorch and TensorFlow
- RestAPI, JSON and XML
- WebRTC and CISCO Packet Tracer
- Weka, Mininet and NS2
- OpenGL, LaTeX and MS Office

## PROFESSIONAL EXPERIENCE

### ONLINE SOHOPATHI

Co-founder | Oct 2017 – Dec 2018

Worked as a core team member during the early period of this startup.

Highlights:

- Earned the knowledge of basics & core procedures of software development.
- Learned how to operate a startup and work under pressure.
- Managing workshop and publishing.

## PERSONAL PROJECT & RESEARCH

### SHASHTHO SHEBA

2020 | Flutter, Node.js, Firebase, MongoDB, AppRTC, AWS

This is a cluster-based telemedicine mobile application, built under the supervision of Dr. ABM Alim Al Islam, Professor, CSE, BUET.

### API FOR BANGLADESHI MEDICINE

2020 | Node.js, MongoDB

A subproduct of *Shashtho Sheba* providing the information of medicine such as price, generic name and company name.

### OBOGOTO

2020 | Flutter, Google Apps Script, Google Map API, ML

A mobile application for contact tracing and information provider about corona.

### VASHA SHIKKHA

2019 | Laravel, Flutter, MySQL, Node.js

A cross platform application for teaching language, built under the supervision of Dr. Anindya Iqbal, Associate Professor, CSE, BUET.

### DICTIONARY ATTACK

2019 | Java, PHP, Socket, Threading

A simulation of vulnerability of using common password.

### METRO RAIL TICKETING

2018 | IoT Device, Atmega, Arduino, GMS, RFID, PHP, MySQL

This hardware project helps to purchase ticket by using RFID card, IoT and Arduino devices. The information of users stores in MySQL database and accessing them by IoT device and calling APIs written in PHP.

### ONLINE BOOK SHARING PLATFORM

2017 | Java, JavaFX, Oracle Database

This application is built to share and selling old books.

### ONLINE BLOOD BANK

2017 | Java, JavaFX

An application is built to connect blood donor and blood needing people.

### SAPLUDU

2016 | C, OpenGL

A simulation of well-known Bangladeshi snake and ladder board game.

- **C Compiler:** Using lexical analyzer and parser designing tools.
- **AI:** Simulating Mancala game by using basic algorithms in Artificial Intelligence and coordinator of AI Competition, BUET CSE FEST, 2020.
- **ML and Pattern Recognition:** Exploring different ML algorithms such as KNN, Decision tree, naïve bayes, neural network etc.
- **Others:** Implementing some functionalities of an OS on XV6, Ray tracer using OpenGL.

## COURSEWORK

Structured Programming  
Object Oriented Programming  
Data Structures and Algorithms  
Discrete Mathematics  
Database Management  
Compilers  
Information System Design  
Computer Networks  
Network Security  
Operating Systems  
Software Development  
Microcontroller & Microprocessor  
Concrete Mathematics  
Digital System Design  
Artificial Intelligence  
Bioinformatics  
Fault Tolerant System  
Machine Learning  
Pattern Recognition  
Entrepreneurship for IT Business

## REFERENCE

Dr. Anidya Iqbal  
Associate Professor  
Department of Computer Science  
and Engineering  
BUET  
Dhaka, Bangladesh  
anindya@cse.buet.ac.bd

## ACHIVEMENT

### **AUB PROGRAMMING CONTEST, 2018**

Position: 11<sup>th</sup>

### **NORTH SOUTH PROGRAMMING CONTEST, 2018**

Position: 44<sup>th</sup>

### **SUMSUNG CODING CONTEST, 2018, 2019**

Finalist

### **TECH FOR PEACE HACKATHON, 2017**

Winner

### **IUT HACKATHON, 2018**

Top 10

## PUBLICATION

### **4<sup>th</sup> International Conference on Networking, Systems and Security (NSysS 2017)**

Poster: Online Blood Bank-Connecting Donors and Blood Needing People in Bangladesh

## COMPETITIVE PROGRAMMING

### **CODEFORCES**

Highest Rating: 1620

### **CODECHEF**

Highest Rating: 1841

### **HACKERRANK**

Highest Rating: 1780

## CERTIFICATION

### **LinkedIn Assessment**

C, C++, Python, Django, MongoDB, MySQL, Git, HTML, Windows server and Machine Learning

### **Coursera**

Deep learning specialization

### **Edx**

Human Computer Interaction I

### **CISCO Learning Platform**

Cyber security essential

## OTHERS

### **CO-ORGANIZER**

- AI Competition, BUET CSE Fest (2020)
- Freshmen Student Reception Program: CSE, BUET (2017)