

Mohammed Latif Siddiq

CONTACT

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Present Address: **Staff
Quarter, Demra, Dhaka**

EDUCATION

BANGLADESH UNIVERSITY OF ENGINEERING & TECHNOLOGY

Bachelor of Engineering |
Computer Science &
Engineering
2016 – 2021
CGPA: 3.46/4.00

NOTRE DAME COLLEGE, DHAKA

HSC | Science
2013-2015
GPA: 5.00/5.00

TECHNICAL SKILL

Core

- Fluent in Java, C++, C, Python, Dart
- Skilled with VCS (Git & TFS)
- Handling SQL (Oracle, MySQL) and NoSQL (MongoDB) DBMS
- Linux systems and server deployment
- Windows Server 2016
- AWS (EC2, S3) and Azure
- Desktop App Dev in JavaFX
- Web App Dev in Vue.js
- Mobile App Dev in Flutter
- Node.js and Django as backend

Familiar with

- Assembly, MATLAB, Bash, Kotlin, JavaScript, PHP
- HTML, CSS
- Laravel, Native Android, React and JavaFX
- Firebase, Google Apps Script
- Software-Defined Networking (SDN)
- Embedded Linux, QT

Other

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

PROFESSIONAL EXPERIENCE

LEADS Corporation Limited

Software Engineer | Nov 2020 – Feb 2021

We are currently working with this renowned fintech company from Bangladesh.

Highlights:

- Re-designing the architecture of the core product of the company.
- Designing the frontend with Vue.js and working with Dot Net Core Backend.

PERSONAL PROJECT & RESEARCH

Bangla Image Captioning Captured by Blind People

2020 | Keras, TensorFlow, Python, AWS

Using the deep learning model, we generate captions for the image captured by blind people, formally known as the VizWiz dataset.

SHASHTHO SHEBA

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

A cluster-based telemedicine mobile application is built under 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 is for contact tracing and information provider about the corona.

VASHA SHIKKHA

2019 | Laravel, Flutter, MySQL, Node.js

A cross-platform application for teaching language is built under Dr. Anindya Iqbal, Associate Professor, CSE, BUET.

METRO RAIL TICKETING

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

This hardware project helps to purchase tickets by using RFID cards, IoT and Arduino devices with backend support by PHP and MySQL databases.

ONLINE BOOK SHARING PLATFORM

2017 | Java, JavaFX, Oracle Database

This application is built on sharing and selling old books.

ONLINE BLOOD BANK

2017 | Java, JavaFX

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

SAPLUDU

2016 | C, OpenGL

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

- **C Compiler:** Using lexical analyzer and parser designing tools.
- **AI:** Simulating Mancala game 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, Raytracer 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

CERTIFICATION

LinkedIn Assessment

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

Coursera

Deep Learning Specialization

Edx.org

Human-Computer Interaction I

CISCO Learning Platform

Cyber Security Essential

REFERENCE

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

ACHIEVEMENTS

GOOGLE HASHCODE, 2019

Position: 5th Among Bangladeshi Teams

IEEEEXTREME 12.0, 2018

Position: 4th Among Bangladeshi Teams

AUB PROGRAMMING CONTEST, 2018

Position: 11th

NORTH SOUTH PROGRAMMING CONTEST, 2018

Position: 44th

ICPC DHAKA REGIONAL, 2018

Participate

SUMSUNG CODING CONTEST, 2018, 2019

Finalist

TECH FOR PEACE HACKATHON, 2017

Winner

IUT HACKATHON, 2018

Top 10

PUBLICATION

28th IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER 2021)

Paper | SQLIFIX: Learning Based Approach to Fix SQL Injection
Vulnerabilities in Source Code

4th International Conference on Networking, Systems and Security (NSysS 2017)

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

COMPETITIVE PROGRAMMING

CODEFORCES

<https://codeforces.com/profile/lsiddiqsunny>

Highest Rating: 1620

CODECHEF

<https://www.codechef.com/users/lsiddiqsunny>

Highest Rating: 1841

HACKERRANK

<https://www.hackerrank.com/lsiddiqsunny>

Highest Rating: 1780

OTHERS

CO-ORGANIZER

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