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

REVE Systems
Junior Software Engineer | March 2021
I am currently working in the E-Governance team
Highlights:
 Building module for Bangladesh Parliament.
 Designing the backend with Java servlet and frontend with JSP.

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 etc.

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
IEEEXTREME 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)