

Mohammed Latif Siddiq

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[GitHub](#) | [LinkedIn](#) | [Google Scholar](#) | [Researchgate](#)

EDUCATION

Bangladesh University of Engineering and Technology

February 2016 – February 2021

Bachelor of Science in Engineering, Department of Computer Science and Engineering

CGPA: 3.46/4.00

Notre Dame College

July 2013 – June 2015

Higher School Certificate, Science

GPA: 5.00/5.00

Shamsul Hoque Khan High School

January 2010 – April 2023

Secondary School Certificate, Science

GPA: 5.00/5.00

PROFESSIONAL EXPERIENCES

REVE Systems, Dhaka, Bangladesh | *Junior Software Engineer*

March, 2021 - Present

- Building modules for Bangladesh Parliament.
- Working with Java servlet, JSP and MySQL.

TECHNICAL SKILLS

Languages: Java, C, C++, Python, Matlab, Dart, Shell

Database: Oracle, MySQL, SQLite, MongoDB, Firebase

OS: Windows, Linux, Windows Server 2016

Version Control: Git(GitHub, Bitbucket, Gitlab), TFS(Azure DevOps)

Frameworks: Vue.js, JSP, Flutter, JavaFX, Node.js, Django, Java servlet

Web Technology: HTML, CSS, Rest API, JSON, XML

Cloud: EC2, S3 Bucket, Azure

Technical Writing: L^AT_EX, Beamer, Overleaf

Other: Google Apps Script, Software Defined Networking, PyTorch, OpenGL, Weka, Mininet, NS2

PUBLICATIONS

28th **IEEE International Conference on Software Analysis, Evolution and Re-engineering (SANER 2021)**

SQILIFIX : Learning Based Approach to Fix SQL Injection Vulnerabilities in Source Code(12 Page Technical

Paper, Acceptance rate: 25%)

Mohammed Latif Siddiq, Md. Rezwanur Rahman Jahin, Mohammad Rafid Ul Islam, Rifat Shahriyar and Anindya Iqbal

POSTERS & EXTENDED ABSTRACTS

IEEE Computer Society Bangladesh Chapter Winter Symposium 2020

Bangla Captioning Image Taken by Blind People(Extended Abstracts)

Mohammed Latif Siddiq, Nafis Tahmid Chowdhury

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

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

Mohammed Latif Siddiq, Aditya Chakma and Farhan Tanvir Uthshaw

RESEARCH PROJECTS

Telemedicine Sectors in Bangladesh

User-Centric Design, Human Computer Interaction, Survey

September, 2021

In this study, we aimed to determine the current state of the telemedicine industry in Bangladesh, as well as its future prospects. It was important for us to identify the obstacles and opportunities in order to design an effective user-centric telemedicine solution.

Detecting Security Bugs in GitHub Codes from the IoT Domain

Python, Deep Learning, GHTorrent

July, 2021 - Present

I am currently working on a research project to find out security bugs in GitHub codes from the IoT domain. This project is supervised by Dr. Gias Uddin, Assistant Professor, University of Calgary.

Online Text Clustering for MOOCs | *Python, Deep Learning, Online Algorithm, Django, Nuxt*

April, 2021

I worked under Dr. Shubhra Kanti Karmaker, Assistant Professor, Auburn University, Alabama, to find out a solution to do online text clustering for the asked questions in MOOCs.

Bangla Image Captioning Captured by Blind People | *Keras, TensorFlow, Python, AWS*

December, 2020

Using the deep learning model, we generated captions for the image captured by blind people, formally known as the VizWiz dataset. Listed as one of the top 30 projects in AI for Bangla Competition.

Detecting Number of TCP and UDP Flows in SDN by ML

Machine Learning, Networking SDN, OpenFlow Protocol, Mininet, IPERF, Weka

November 2020

We created a method to detect the number of TCP and UDP flows in a Software-Defined Network simulated in Mininet by using IPERF to generate flows.

Security Attack Tools and Defenders | *Python, Scapy*

June, 2020

In this project, I was demonstrating some security attacks like Port scanning, DDOS on DNS server, ARP Cache poisoning, Dictionary attack, etc., and their possible solutions.

ACADEMIC PROJECTS

Shashtho Sheba | *Flutter, Node.js, Firebase, MongoDB, AppRTC, AWS*

November, 2020

A cluster-based telemedicine mobile application built under Dr A.B.M. Alim Al Islam, Professor, CSE, BUET.

API for Bangladeshi Medicine | *Node.js, MongoDB*

November, 2020

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

Obogoto | *Flutter, Google Apps Script, Google Map API, ML*

March, 2020

A mobile application for contact tracing and information provider about the Covid-19.

Vasha Shikkha | *Laravel, Flutter, MySQL, Node.js*

October, 2019

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

Miscellaneous

2016 - 2019

I built RFID based Ticket Purchasing System for Metro rail using AtMega and Arduino. I used Java to build an Online Book Sharing Platform and Online Blood Donation System. I used OpenGL to simulate a local board game, Snake and Ladder.

CERTIFICATES

LinkedIn Assessment

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

Other Certifications

Deep Learning Specialization(Cousera), Human-Computer Interaction I(Edx.org), Cyber Security Essential(CISCO Learning Platform), Problem Solving (Advanced) Skills Certification Test(Hackerrank)

Problem Solving

Codeforces(Highest Rating: 1620), Codechef(Highest Rating: 1841), Hackerrank(Highest Rating: 1780)

ACHIEVEMENTS

AI FOR BANGLA, 2021

Position: Top 30

GOOGLE HASHCODE, 2019

Position: 5th Among Bangladeshi Teams

IEEEEXTREME 12.0, 2018

Position: 4th Among Bangladeshi Teams

AUB PROGRAMMING CONTEST, 2018

Position: 11th

SUMSUNG CODING CONTEST, 2018, 2019

Finalist

TECH FOR PEACE HACKATHON, 2017

Winner

REFERENCES

References available upon request