

Mohammed Latif Siddiq

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EDUCATION

BANGLADESH UNIVERSITY OF ENGINEERING & TECHNOLOGY

Bachelor of Engineering |

Computer Science &

Engineering

Feb 2016 – Jan 2021

CGPA: 3.46/4.00

NOTRE DAME COLLEGE, DHAKA

HSC | Science

July 2013 – May 2015

GPA: 5.00/5.00

TECHNICAL SKILL

Core

- Fluent in Java, C++, C, Python, Dart
- Skilled with VCS (Git)
- Handling SQL (Oracle, MySQL) and NoSQL (MongoDB) DBMS
- Linux systems and server deployment
- Windows server 2016
- Experienced with Flutter, Vue.js, Node.js, Django

Familiar with

- Software Defined Networking (SDN), OpenFlow and Mininet
- Assembly, MATLAB, Bash, Kotlin, JavaScript, PHP
- HTML, CSS, RestAPI, JSON and XML
- Laravel, Native Android, React and JavaFX

Other

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

CERTIFICATION

CISCO Learning Platform

Cyber Security Essential

LinkedIn Assessment

C, C++, Python, Django,

MongoDB, MySQL, Git, HTML,

Windows server and Machine

Learning

PROFESSIONAL EXPERIENCE

LEADS Corporation Limited

Software Engineer | Nov 2020

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

PROJECTS & RESEARCH

Bangla Image Captioning Captured by Blind People

2020 | Deep Learning, Transfer Learning | Keras, TensorFlow, Python, AWS

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

Detecting Number of TCP and UDP Flows in SDN by ML

2020 | Machine Learning, Networking | SDN, OpenFlow Protocol, Mininet,

IPERF, Weka

This project is done to detect the number of TCP and the presence of UDP flow in a Software Defined Network simulated in Mininet by using IPERF to generate flows.

Learning Based Approach to Fix SQL Injection Vulnerability in Source Code

2020 | Code Refactoring, Software Engineering, Security | Java, Python

By using learning-based approach, in this thesis work, we are going to refactoring SQL Injection vulnerabilities in Java codes using JDBC.

Security Attack Tools and Defenders

2020 | Security, Networking | Java, Python

In this project, some common security attacks such as, ARP cache poisoning, DOS attack, Dictionary attack and port scanning are simulated and some basic prevention mechanisms are included.

SHASHTHO SHEBA

2020 | E-health | 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.

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 | Mohammed Latif Siddiq, Md. Rezwannur Rahman Jahin, Mohammad Rafid UI Islam, Rifat Shahriyar and Anindya Iqbal

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

Poster | Online Blood Bank-Connecting Donors and Blood Needing People in Bangladesh | Mohammed Latif Siddiq, Aditya Chakma and Farhan Tanvir Uthshaw

ACHIVEMENT

IEEEEXTREME 12.0, 2018

Position: 4th Among Bangladeshi Teams

AUB PROGRAMMING CONTEST, 2018

Position: 11th

ICPC DHAKA REGIONAL, 2018

Participate

SUMSUNG CODING CONTEST, BANGLADESH, 2018, 2019

Finalist