Mohammed Latif Siddiq

CONTACT

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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 – Feb 2021
- Re-designing with the 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
Using the deep learning model, we generate captions for the image captured by blind people, formally known as the VizWiz dataset.

Detecting Number of TCP and UDP Flows in SDN by ML
2020 | Machine Learning, Networking | SDN, OpenFlow Protocol, Mininet, IPERF, Weka
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.

Learning-Based Approach to Fix SQL Injection Vulnerability in Source Code
2020 | Code Refactoring, Software Engineering, Security | Java, Python
Using the learning-based approach, we will be refactoring SQL Injection vulnerabilities in Java codes using JDBC in this thesis work.

Security Attack Tools and Defenders
2020 | Security, Networking | Java, Python
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 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. Rezwanur Rahman Jahin, Mohammad Rafid Ul 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

ACHIEVEMENTS

IEEEXTREME 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