Mohammed Latif Siddiq

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EDUCATION

Bangladesh University of Engineering and Technology   February 2016 – February 2021
Department of Computer Science and Engineering   CGPA: 3.46/4.00

Notre Dame College   July 2013 – June 2015
Higher Secondary School Certificate   GPA: 5.00/5.00

PROFESSIONAL EXPERIENCE

REVE Systems | *Junior Software Engineer*   March, 2021
- Building modules for Bangladesh Parliament.
- Working with Java servlet, JSP and MySQL.

TECHNICAL SKILLS

Languages: Java, C,C++, Python, Dart
Database: Oracle, MySQL,SQLite, MongoDB, Firebase
OS: Windows, Linux, Windows Server 2016
Version Control: Git(GitHub, Bitbucket, Gitlab), TFS(Azure DevOps)
Front-end Frameworks: Vue.Js, JSP, Flutter, JavaFX
Back-end Frameworks: Node.js, Django, Java servlet,
Developer Tools: Packet Tracer, Wireshark, VS Code, Visual Studio, Android Studio, IntelliJ, KNIME
Web Technology: HTML, CSS, Rest API, JSON, XML
Cloud: EC2, S3 Bucket, Azure
Scripting Language: Shell Script
Technical Writing: LaTeX, Beamer, Overleaf
Other: Google Apps Script, Software Defined Networking, PyTorch, OpenGL, Weka, Mininet, NS2

PROJECTS

Bangla Image Captioning Captured by Blind People | *Keras, TensorFlow, Python, AWS*   December, 2020

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

SHASHTHO SHEBA | *Flutter, Node.js, Firebase, MongoDB, AppRTC, AWS*   November, 2020

A cluster-based telemedicine mobile application is built under Dr ABM 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.

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

OBOGOTO | *Flutter, Google Apps Script, Google Map API, ML*   March, 2020

A mobile application is for contact tracing and information provider about the corona.

VASHA SHIKKHA | *Laravel, Flutter, MySQL, Node.js*   October, 2019

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

Miscellaneous   2016 - 2019

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

CERTIFICATION AND PROBLEM SOLVING

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

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

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

ACHIEVEMENTS

GOOGLE HASHCODE, 2019
Position: 5th Among Bangladeshi Teams

IEEEXTREME 12.0, 2018
Position: 4th Among Bangladeshi Teams

AUB PROGRAMMING CONTEST, 2018
Position: 11th

SUMSUNG CODING CONTEST, 2018, 2019
Finalist

NORTH SOUTH PROGRAMMING CONTEST, 2018
Position: 44th

TECH FOR PEACE HACKATHON, 2017
Winner

PUBLICATION

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

SQLIFIX : Learning Based Approach to Fix SQL Injection Vulnerabilities in Source Code(Technical Paper)

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)**

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

Mohammed Latif Siddiq, Aditya Chakma and Farhan Tanvir Uthshaw