Mohammed Latif Siddiq

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EDUCATION

UNIVERSITY OF NOTRE DAME
PH.D. IN COMPUTER SCIENCE
Ongoing | Notre Dame, IN USA
Running CGPA: 3.834/4.00

BANGLADESH UNIVERSITY OF ENGINEERING & TECHNOLOGY
BS IN COMPUTER SCIENCE
Feb 2021 | Dhaka, Bangladesh
CGPA: 3.46/4.00

LINKS

linkedIn.com/in/ lsiddiqsunny
twitter.com/ lsiddiqsunny
github.com/ lsiddiqsunny

COURSEWORK

Secure Software Engineering
Undergraduate
Computer Security • Fault Tolerant Systems • Introduction to Bioinformatics • Machine Learning • Pattern Recognition

SKILLS

Technical
Java • C • C++ • Python • Matlab • Shell
Database
Oracle • MySQL • SQLite • MongoDB
OS Experience
Ubuntu 20.04 (Personal) • CentOS 7/RedHat • Mac OS Monterey • Windows
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
LaTeX• Beamer • Overleaf
Other
Google Apps Script • Software Defined Networking • PyTorch • OpenGL • Weka • Mininet • NS2 • IBM WALA

EXPERIENCE

UNIVERSITY OF NOTRE DAME | GRADUATE TEACHING ASSISTANT
January 2022 – Present | Notre Dame, IN USA

- Creating and grading solutions with the addition of holding teaching hours for CSE 30321 Computer Architecture.

REVE SYSTEMS | JUNIOR SOFTWARE ENGINEER
March 2021 - November 2021 | Dhaka, Bangladesh

- Working on enterprise software for Bangladesh Parliament Secretariat.
- **Tech stack**: Java servlet, JSP and MySQL.

PUBLICATION

SecurityEval Dataset: Mining Vulnerability Examples to Evaluate Machine Learning-Based Code Generation Techniques, **Mohammed Latif Siddiq**, and Joanna C. S. Santos, 1^{st} **Intl. Workshop on Mining Software Repositories Applications for Privacy and Security**,
An Empirical Study of Code Smells in Transformer-based Code Generation Techniques,

Mohammed Latif Siddiq, Shafayat Hossain Majumder, Maisha Rahman Mim, Sourov Jajodia, and Joanna C. S. Santos, 22^{nd} **IEEE International Working Conference on Source Code Analysis and Manipulation (SCAM 2022)**,

BERT-Based GitHub Issue Report Classification, **Mohammed Latif Siddiq**, and Joanna C. S. Santos, 1^{st} **Intl. Workshop on Natural Language-based Software Engineering**,

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, 28^{th} **IEEE International Conference on Software Analysis, Evolution, and Re-engineering (SANER 2021)** (*Equal contribution)

RESEARCH PROJECTS

Telemedicine Sectors in Bangladesh | *User-Centric Design, Human-Computer Interaction, Survey* | *September 2021*

Detecting Security Bugs in GitHub Codes from the IoT Domain | *Python, Deep Learning, GHTorrent* | *July 2021*

Online Text Clustering for MOOCs | *Python, Deep Learning, Online Algorithm, Django, Nuxt* | *April 2021*

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

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

RECOGNITIONS

2022		NSF Travel Grants for ICSE 2022
2022		Melchor Fellowship
2021	Top 30	AI For Bangla
2018,19	Finalist	Samsung Coding Contest, Bangladesh