

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

EXPERIENCE

UNIVERSITY OF NOTRE DAME | GRADUATE ASSISTANT

January 2022 - Present | Notre Dame, IN USA

- Designing and executing research in the intersection of secure software engineering and applied machine learning.
- Working as a teaching assistant by holding office hours and grading solutions.

REVE SYSTEMS | JUNIOR SOFTWARE ENGINEER

March 2021 - November 2021 | Dhaka, Bangladesh

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

SOCIAL LINKS

[linkedin.com/in/lsiddiqsunny](https://www.linkedin.com/in/lsiddiqsunny)

github.com/lsiddiqsunny

COURSEWORK

Graduate

Secure Software Engineering • Advanced Machine Learning • Data Science

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

PEER-REVIEWED PUBLICATION

SecurityEval Dataset: Mining Vulnerability Examples to Evaluate Machine Learning-Based Code Generation Techniques, Mohammed Latif Siddiq, and Joanna C. S. Santos, 1st Intl. Workshop on Mining Software Repositories Applications for Privacy and Security (MSR4P&S 2022)

An Empirical Study of Code Smells in Transformer-based Code Generation Techniques, Mohammed Latif Siddiq, Shafayat Hossain Majumder, Maisha Rahman Mim, Surov Jajodia, and Joanna C. S. Santos, 22nd 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, 1st Intl. Workshop on Natural Language-based Software Engineering (NLBS 2022)

SQLIFIX: Learning Based Approach to Fix SQL Injection Vulnerabilities in Source Code, Mohammed Latif Siddiq*, Md. Rezwanur Rahman Jahin*, Mohammad Rafid UI Islam, Rifat Shahriyar, and Anindya Iqbal, 28th IEEE International Conference on Software Analysis, Evolution, and Re-engineering (SANER 2021) (*Equal contribution)

RESEARCH PROJECTS

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