Dr. SYFUL ISLAM

Assistant Professor, Computer Science and Engineering

ONLINE PROFILE:

Personal website: https://syful-is.github.io/
Dblp: https://dblp.org/pid/252/9373.html
Google Scholar: https://shorturl.at/tzAN6

MY CONTACT DETAILS:

Department of Computer Science and Engineering, Bangabandhu Sheikh Mujibur Rahman
Science and Technology University, Gopalganj-8100, Bangladesh.
Email1: @ syfulcse@bsmrstu.edu.bd
Email2: @ syfulcste@gmail.com
Phone: +8801718745365

EDUCATION:

- Ph.D. in Information Science and Engineering
  **Software Engineering Laboratory, Graduate School of Science and Technology,
  Nara Institute of Science and Technology, Japan**
  Duration: 2019-2022
  Dissertation Link: https://library.naist.jp/opac/en/book/102597

- Masters (Engg.) in Information Science
  Dependable System Laboratory, Graduate school of Information Science, Nara Institute of Science and Technology, Japan
    Duration: 2017-2019
    Dissertation Link: https://library.naist.jp/opac/en/book/92469

- B.Sc. in Computer Science and Telecommunication Engineering
  Department of Computer Science and Telecommunication Engineering, Faculty of Engineering and Technology, Noakhali Science and Technology University, Bangladesh
    Duration: 2010-2013 (Result Published: 14th July 2015), Session:2009-10

RESEARCH INTEREST:

Software Ecosystem, Software Security, Big Data, NLP, Machine Learning

TEACHING INTEREST:

Big Data Management, Software Engineering, Database Management, Machine Learning

PUBLICATIONS:

International Workshops:

1. Syful Islam, Raula Gaikovina Kula, Christoph Treude†, Bodin Chinthanet, Takashi Ishio, Kenichi Matsumoto. "Understanding Developers Experience in Third- Party Package Management using Q&A Sites", 2nd Workshop for Next-Generation Software Ecosystems, 2022

2. Raula Gaikovina Kula, Syful Islam, Bodin Chinthanet, Christoph Treude, Takashi Ishio, Kenichi Matsumoto. "Choice Matters: Contrasting Package Manager User Experience", 4th International Workshop on Software Health in Projects, Ecosystems and Communities (SoHeal), 2021.

3. Syful Islam, Michihiro Shintani, and Michiko Inoue, ANP: A Self-Reference-Based Random Variation Aware Hardware Trojan Detection Method, IEEE Workshop on RTL and High-Level Testing, 14 Dec. 2019.

4. Ahmed Foisal, Main Riaz-ul Haque, Islam Syful and Michihiro Shintani, "FPGA Reliability and Security", CICP Workshop-2017, NAIST, Japan.

International Conferences:

1. Islam, Syful, Raula Gaikovina Kula, Christoph Treude, Bodin Chinthanet, Takashi Ishio, and Kenichi Matsumoto. "Contrasting Third-Party Package Management User Experience." In 2021 IEEE International Conference on Software Maintenance and Evolution (ICSME), pp. 664-668. IEEE, 2021.

2. Nugroho, Yusuf Sulistyo, Syful Islam, Keitaro Nakasai, Ifraz Rehman, Hideaki Hata, Raula Gaikovina Kula, Meiyappan Nagappan, and Kenichi Matsumoto. "How are project-specific forums utilized? A study of participation, content, and sentiment in the Eclipse ecosystem." ESEC/FSE Journal First, ACM, 2022.

3. Yusuf Sulistyo Nugroho, Syful Islam, Dedi Gunawan, Yogiek Indra Kurniawan and Md. Javed Hossain. "A study of e-commerce platform issues shared by developers on Stack Overflow", 3rd International Conference on Emerging Technologies in Data Mining and Information Security, Spinger, 2022.

4. Dedi Gunawan, Yusuf Sulistyo Nugroho, Fatah Al Irsyadi, Ihsan Cahyo Utomo, Ilham Andreansyah, Syful Islam, 'ℓρ-suppression A Privacy Preserving Data Anonymization Method for Customer Transaction Data Publishing', International Conference on Information Technology Systems and Innovation (ICITSI), IEEE, 2022.

International Journals:

1. Islam, Syful, Yusuf Sulistyo Nugroho, Akib Shahrear, Nuhash Wahed, Dedi Gunawan, Endang Wahyu Pamungkas, Mohammed Humayun Kabir, and Yogiek Indra Kurniawan. "An Empirical Study of Software Ecosystem Related Tweets by npm Maintainers. " PeerJ Computer Science (2023). [Status: Accepted, Scopus indexed, preprint link: https://www.researchsquare.com/article/rs-2560509/v1] [Authorship: 1st and Corresponding Author, Scopus Indexed]

2. Syful ISLAM, Raula GAIKOVINA KULA, Christoph TREUDE, Bodin CHINTHANET, Nonmembers, Takashi ISHIO, Member, and Kenichi MATSUMOTO. "An Empirical Study of Package Management Issues via Stack Overflow." IEICE TRANSACTIONS on Information and Systems 106, no. 2 (2023): 138-147. (Status: Accepted, Volume and Number: Vol.E106-D,No.2,pp.-,Feb. 2023. [Authorship: 1st and Corresponding Author, Scopus Indexed]

3. Rahman, Md Ashikur, Syful Islam, Yusuf Sulistyo Nugroho, Fatah Yasin Al Irsyadi, and Md Javed Hossain. "An Exploratory Analysis of Feature Selection for Malware Detection with Simple Machine Learning Algorithms." Journal of Communications Software and Systems 19, no. 3 (2023): 207-219. [Authorship: 2nd, Scopus Indexed]

4. Nugroho, Yusuf Sulistyo, Dedi Gunawan, Devi Afriyantari Puspa Putri, Syful Islam, and Abdulaziz Alhefdhi. "A Study of Vulnerability Identifiers in Code Comments: Source, Purpose, and Severity." Journal of Communications Software and Systems 18, no. 2 (2022): 165-174 [Authorship: Corresponding Author, Scopus Indexed]

5. Nugroho, Yusuf Sulistyo, Syful Islam, Dedi Gunawan, Yogiek Indra Kurniawan, and Md Javed Hossain. "Dataset of network simulator related-question posts in stack overflow." Data in Brief 41 (2022): 107942. [Authorship: Corresponding Author, Scopus Indexed]

6. Islam, Syful, Dong Wang, Raula Gaikovina Kula, Takashi Ishio, and Kenichi Matsumoto. "An exploration of npm package co-usage examples from stack overflow: A case study." IEICE TRANSACTIONS on Information and Systems 105, no. 1 (2022): 11-18. [Authorship: 1st and Corresponding Author, Scopus Indexed]

7. Nugroho, Yusuf Sulistyo, Syful Islam, Keitaro Nakasai, Ifraz Rehman, Hideaki Hata, Raula Gaikovina Kula, Meiyappan Nagappan, and Kenichi Matsumoto. "How are project-specific forums utilized? A study of participation, content, and sentiment in the Eclipse ecosystem." Empirical Software Engineering 26, no. 6 (2021): 1-33. [Authorship: 1st and Corresponding Author, Scopus Indexed]

8. Islam, Syful, Yusuf Sulistyo Nugroho, and M. Javed Hossain. "What network simulator questions do users ask? a large-scale study of stack overflow posts." Indonesian Journal of Electrical Engineering and Computer Science 21, no. 3 (2021): 1622-1633. [Authorship: 1st and Corresponding Author, Scopus Indexed]

9. Rahaman, Arifur, Ratnadip Kuri, Syful Islam, Md Javed Hossain, and Mohammed Humayun Kabir. "Sarcasm Detection in Tweets: A Feature-based Approach using Supervised Machine Learning Models." International Journal of Advanced Computer Science and Applications 12, no. 6 (2021). [Authorship: Corresponding Author, Scopus Indexed]

10. Hasan, Md Zobaer, Syful Islam, Kenichi Matsumoto, and Taro Kawai. "SARS-CoV-2 infection initiates interleukin-17-enriched transcriptional response in different cells from multiple organs." Scientific reports 11, no. 1 (2021): 1-11. [Authorship: 2nd Author, Scopus Indexed]

11. Hasan, Md Zobaer, Syful Islam, Kenichi Matsumoto, and Taro Kawai. "Meta-analysis of single-cell RNA-seq data reveals phenotypic switching of immune cells in severe COVID-19 patients." Computers in Biology and Medicine 137 (2021): 104792. [Authorship: Combined 1st Author, Scopus Indexed]

12. Fahim, Mohimenol Islam, Syful Islam, Sumaiya Tun Noor, Md Javed Hossain, and Md Shahriar Setu. "Machine Learning Model to Analyze Telemonitoring Dyphosia Factors of

Parkinson's Disease." International Journal of Advanced Computer Science and Applications 12, no. 8 (2021). [Authorship: Corresponding Author, Scopus Indexed]

13. S Islam, R Kuri, M Javed, Hossain, H Kabir, " Building a Secure Model of e-Medication System for Optimum Pharmacutical Safety", International Journal of Computer Science and Information Security (IJCSIS), Vol. 18, No. 3, March 2020. [Authorship: 1st author]

14. S Islam, R Kuri, MH Kabir, MJ Hossain, "Exploring Congestion Control Mechanism of TCP Variants over Wired & Wireless Networks," International Journal of Scientific & Engineering Research, ISSN 2229-5518, vol. 9, issue. 9, pp. 183-192, 2018. [Authorship: 1st author]

15. Ratnadip Kuri, Syful Islam, Md. Javed Hossain, Md Humayun Kabir, " Simulation-based comparative analysis on the effect of Black-hole attack and Rushing attack on the mobile ad-hoc network", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 10 (2019) pp. 2383-2387 © Research India Publications. http://www.ripublication.com. [Authorship: 2nd author]

16. M.H. Kabir, Syful Islam, Md Javed Hossain, Sazzad Hossain, "Detail comparison of network simulators," International Journal of Scientific & Engineering Research, ISSN 2229-5518, vol. 5, issue. 10, pp. 203-218, 2014. [Authorship: 2nd author]

17. Syful Islam, M.H. Kabir, Md Javed Hossain, Abhijit Chakraborty, Nazia Majadi, "CLOUD COMPUTING TECHNOLOGY IN BANGLADESH: A FRAMEWORK OF SOCIAL & ECONOMIC DEVELOPMENT," European Scientific Journal, ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431, vol. 11, issue. 18, pp. 393-410, 2015. [Authorship: 1st author]