Curriculum vitae

PERSONAL INFORMATION

Takia Islam

1 Rue Gaston Defferre, 90000 Belfort, France

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takiaislam9@gmail.com

linkedin.com/in/takiaislam/

Gender Female | Date of birth 30 Mar 1995

WORK EXPERIENCE

September 2019 – August 2021

Junior Researcher

nFuture Research Lab - Daffodil International University
102/1, Sukrabad Mirpur Rd, Dhaka 1207, Bangladesh

- work in planning, preparation of research with supervisor and team
- preparing research paper in latex, overleaf
- conducting research in information security

EDUCATION AND TRAINING

2021 – 2022

Master IOT, Internet of Things

Ongoing

University Bourgogne Franche-Comté, Besançon, France

2019 – 2020

Master of Science, Computer Science and Engineering - Thesis Title: 'IFIF-Droid: Important Features Identification Scheme in Android Malware Detection'

20 February 2021

Daffodil International University, Dhaka, Bangladesh

CGPA: 3.92 (Out of 4:00)

2015 – 2018

Bachelor of Science in Software Engineering - Thesis Title: 'Ensuring data integrity: towards a Blockchain-based platform to share the datasets'

03 January 2019

Daffodil International University, Dhaka, Bangladesh

CGPA: 3.26 (Out of 4:00)

2012 – 2014

Higher Secondary School Certificate - HSC

13 August 2014

Cantonment public school & College, Khulna, Bangladesh

CGPA: 4.10 (Out of 5:00)

2009 – 2011

Secondary School Certificate - SSC

12 May 2011

Shiromoni Secondary School, Khulna, Bangladesh

CGPA: 4.44 (Out of 5:00)

PERSONAL SKILLS

Mother tongue(s): Bengali

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference (CEF) level

Communication skills: I have worked in various types of teams from research teams to national and international. For around 2 years I worked with my university research teams.

Skills and Research Interest: Machine Learning and Deep Learning, Information Security, Android Malware Analysis, Data Science, Python,Keras, TensorFlow, scikit-learn and so on.

Additional Information: Scopus Author ID: 57220932775
Github: https://github.com/TakiaIslam/
Personal Web: https://takiaislam.github.io

PUBLICATIONS

1. **Islam, T.**, Kumar, D. T., Rahman, S. S. M. M., Jabiullah, M. I., Alazab, M., & Kayes, A. S. M. (2020). **Ensuring Data Integrity: Towards a Blockchain-Based Platform to Share the Datasets**. In Blockchain for Cybersecurity and Privacy (pp. 323-338). CRC Press.
2. **Islam, T.**, Rahman, S. S. M. M., Hasan, M. A., Rahaman, A. S. M. M., & Jabiullah, M. I. (2020). **Evaluation of N-gram based multi-layer approach to detect malware in Android**. Procedia Computer Science, 171, 1074-1082.
3. **Islam, T.**, Rahman, S. S. M. M., & Jabiullah, M. (2021). **IFIFDroid: Important Features Identification Framework in Android Malware Detection**. In Artificial Intelligence and Blockchain for Future Cybersecurity Applications (pp. 143-160). Springer, Cham.
4. Rahman, S. S. M. M., Gope, L., **Islam, T.**, & Alazab, M. (2021). **IntAnti-Phish: an intelligent anti-phishing framework using backpropagation neural network**. In Machine Intelligence and Big Data Analytics for Cybersecurity Applications (pp. 217-230). Springer, Cham.
5. Russel, M. O. F. K., Rahman, S. S. M. M., & **Islam, T.** (2020, July). **A large-scale investigation to identify the pattern of app component in obfuscated Android malwares**. In International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (pp. 513-526). Springer, Singapore.
6. Russel, M. O. F. K., Rahman, S. S. M. M., & **Islam, T.** (2020, February). **A large-scale investigation to identify the pattern of permissions in obfuscated Android malwares**. In International Conference on Cyber Security and Computer Science (pp. 85-97). Springer, Cham.
7. Rahman, S. S. M. M., Biplob, K. B. M. B., Rahman, M. H., Sarker, K., & **Islam, T.** (2020, February). **An Investigation and Evaluation of N-Gram, TF-IDF and Ensemble Methods in Sentiment Classification**. In International Conference on Cyber Security and Computer Science (pp. 391-402). Springer, Cham.
8. Rahman, S. S. M. M., **Islam, T.**, & Jabiullah, M. I. (2020). **PhishStack: evaluation of stacked generalization in phishing URLs detection**. Procedia Computer Science, 167, 2410-2418.
9. Muntasir, M., Rahman, S. S. M. M., Jahan, N., Siddikk, A. B., & **Islam, T.** (2021). **AntiPhishTuner: Multi-level Approaches Focusing on Optimization by Parameters Tuning in Phishing URLs Detection**. In Artificial Intelligence and Blockchain for Future Cybersecurity Applications (pp. 161-180). Springer, Cham.
10. Siddikk, A. B., Muntasir, M., Lia, R. J., Rahman, S. S. M. M., **Islam, T.**, & Alazab, M. (2021). **Revisiting the Approaches, Datasets and Evaluation Parameters to Detect Android Malware: A Comparative Study from State-of-Art**. In Artificial Intelligence and Blockchain for Future Cybersecurity Applications (pp. 125-141). Springer, Cham.