



Yeaseen Arafat

- 18 September 1996
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Career Aspiration

Being avidly ardent to attain a high-profile in academia, I want to extend my expertise learned from my alma maters and interests in the research field of Cyber-Physical Systems and their Security, & Web Privacy, and therefore, I aspire to contribute significantly to the field & elongate my skills by solving down-to-earth problems.

Expertise

- Language** C, C++, Java, Python, Solidity, HTML, CSS, JavaScript, Bash, Assembly (Intel x86 & MIPS Architecture)
- Framework** TensorFlow, Keras, Node.js, Express.js, React, Bootstrap
- Database** Oracle SQL, MongoDB, Neo4j, MySQL
- Modeling** UML, ER Diagram
- Tools** GDB, NS-2, ~~ETX~~, Git, Flex, YACC
- OS** macOS Monterey, Ubuntu

Education

2015-2019 B.Sc. Engg. at Computer Science & Engineering
Bangladesh University of Engineering & Technology
CGPA : 3.49/4.00
Thesis Supervisor: Dr. A.K.M. Ashikur Rahman
Thesis: A Machine Learning based Approach for Protecting Wireless Networks Against Virtual Jamming based Denial of Service (DoS) Attacks

Publications

Paper *Yeaseen Arafat, Kazi Samin Yeaser, Ashikur Rahman, and Arnab Dasgupta. 2020. A Machine Learning based Approach for Protecting Wireless Networks Against DoS Attacks. In 7th International Conference on Networking, Systems and Security (7th NSysS 2020), December 22–24, 2020, Dhaka, Bangladesh. ACM, New York, NY, USA, 6 pages.*<https://doi.org/10.1145/3428363.3428377>

Notable Academic Projects

- Instagram** Language: Javascript, Platform: MERN stack Web Development
A social media Web app. [Live Demonstration Link](#)
- Event Planner** Language: Typescript, Platform: MERN stack Web Development
A web application allows various event managers to book and share a spate of events. [Live Demonstration Link](#)
- Angry Birds** Language: C, Platform: iGraphics Graphics Project
A casual puzzle video game based on Android game of the same name.
- PLAY & LEARN** Language: Java, Platform: Android Android App Development
An app for autistic children to toy simple Q&A and to set alarms.
- Object Detection** Language: Python Deep Learning Project
Object detection on real time based on Faster-RCNN algorithm and Segmentation learning approaches.
- Home Automation** Language: C++, Bash Embedded System Project
An Alexa powered Amazon Echo made by Raspberry Pi. Remote control of home appliances with voice command is available. Used Raspberry Pi & ESP8266. [Project demonstration on YouTube](#)

Teaching Experience

2019-Present Lecturer, CSE
Southeast University

Research Interest

Cyber-Physical Systems and their Security, Web Privacy and Security, & RL/ML for Intrusion and Malware detection.

Reference

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