



Yeaseen Arafat



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Career Aspiration

Being avidly ardent to attain a high-brow research profile in academia, I want to extend my expertise learned from my alma maters and interests in the research field of Systems and Software Security, & Web Privacy & Security. 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)

Framework TensorFlow, Keras, Node.js, Express.js, React, Bootstrap

Database Oracle SQL, MongoDB, Neo4j, MySQL

Modeling UML, ER Diagram

Tools CMake, Nachos, GDB, ns-2, ~~AT&T~~ Git, Flex, YACC

OS macOS Ventura, Ubuntu, Kali Linux, Windows

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

IIInstagram

Language: Javascript, Platform: MERN stack
A social media Web app. [\[github\]](#) [\[Live\]](#)

Web Development

nachos-os build

Language: C++, Tools: Make

OS Project

An extension of nachos-os supported by multiprogramming, syscalls and virtual memory manager with demand paging. [\[github\]](#)

EventPlanner

Language: Typescript, Platform: MERN stack

Web Development

A web application allows various event managers to book and share a spate of events. [\[github\]](#) [\[Live\]](#)

C compiler

Tools: Flex, Bison, Yacc

Compiler Project

A subset of C compiler up to functions handling. [\[github\]](#)

Angry Birds

Language: C, Platform: iGraphics

C Project

A puzzle video game based on Android game of the same name. [\[github\]](#)

PLAY & LEARN

Language: Java, Platform: Android

Android App Development

An app for autistic children to toy simple Q&A and to set alarms. [\[github\]](#)

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. [\[YouTube demonstration\]](#)

Teaching Experience

2019-Present

Lecturer at Dept. of CSE, Southeast University

Research Interest

Systems and Software Security, Program analysis
Web Privacy and Security, & RL/ML for Intrusion and Malware detection.

Reference

Dr. A.K.M. Ashikur Rahman

Professor

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