



# Yeaseen Arafat



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## Career Aspiration

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

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

**Database** Oracle SQL, MongoDB, Neo4j, MySQL

**Modeling** UML, ER Diagram

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

**OS** macOS Monterey, Ubuntu, Kali Linux

## 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  
A social media Web app. [\[Live\]](#)

Web Development

**C compiler**

Language: Flex, Bison, Yacc  
A subset of C compiler up to functions handling. [\[github\]](#)

Compiler Project

**Angry Birds**

Language: C, Platform: iGraphics  
A casual puzzle video game based on Android game of the same name.

C Project

**PLAY & LEARN**

Language: Java, Platform: Android  
An app for autistic children to toy simple Q&A and to set alarms.

Android App Development

**Object Detection**

Language: Python  
Object detection on real time based on Faster-RCNN algorithm and Segmentation learning approaches.

Deep Learning Project

**Home Automation**

Language: C++, Bash  
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](#)

Embedded System Project

## Teaching Experience

2019-Present

Lecturer, CSE  
Southeast University

## Research Interest

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

## Reference

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Professor

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