



# Yeaseen Arafat



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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 institution and interests in the research field of Cyber-Physical Systems and their Security, & Web Privacy, and therefore, I have a strong desire to contribute & elongate my skills in solving down-to-earth problems related to the said field.

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

Web Development

Event Planner

Language: Typescript, Platform: MERN stack  
A web application allows various event managers to book and share a spate of events. [Live Demonstration Link](#)

Web Development

Angry Birds

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

Graphics 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

Cyber-Physical 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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