

# Fahmid Al Rifat

<https://fahmidar.github.io/> | 1705087@ugrad.cse.buet.ac.bd | +(880)-1774550000

## EXPERIENCE

### UNITED INTERNATIONAL UNIVERSITY - LECTURER

DEPT OF COMPUTER SCIENCE  
Present | Dhaka, Bangladesh  
Full Time

### SECURITY AND SOFTWARE ENGINEERING (S2E) LAB

GRADUATE RESEARCH ASSISTANT  
February, 2022 | USA

## EDUCATION

### BANGLADESH UNIVERSITY OF ENGINEERING & TECHNOLOGY

B.SC. IN COMPUTER SCIENCE  
March, 2017 | Dhaka, Bangladesh  
CGPA: 3.65/4.00

### DHAKA RESIDENTIAL MODEL COLLEGE

HIGHER SECONDARY CERTIFICATE  
February, 2015 | Dhaka, Bangladesh  
CGPA: 5.00/5.00

### RANGPUR ZILLA SCHOOL

SECONDARY SCHOOL CERTIFICATE  
February, 2013 | Dhaka, Bangladesh  
CGPA: 5.00/5.00

## SOCIAL LINKS

Github:// [FahmidAR](#)  
LinkedIn:// [FahmidAR](#)

## COURSEWORK

Computer Security, Machine Learning,  
Fault Tolerant Systems, High Performance  
Database System, Algorithm Engineering

## SKILLS

### TECHNICAL

• Java • C/C++ • Python • Matlab • Shell

### DATABASE

• Oracle • MySQL • SQLite • MongoDB

### OPERATING SYSTEMS

• Windows • Linux (Kali, Ubuntu, seed-lab)

### FRAMEWORKS

• Django • Node.js • React

### WEB TECHNOLOGY

• HTML • CSS • PHP • Bootstrap

• Word-press • JSON • XML

### MICRO-CONTROLLERS

• Arduino • ATmega 32 • Proteus 832

## PROFESSIONAL PROJECTS

### ICECE BUET WEBSITE - LARAVEL, CSS, PHP | MAY, 2022

- Led conference's web application, added modules, and maintained.

### RAVEN-CLAWS E-COMMERCE WEBSITE DEVELOPMENT

- WORD PRESS, CSS, PHOTO-SHOP, PHP | NOVEMBER, 2020

- Developed e-commerce web app for RAVENCLAW Co. LIMITED.

## ACADEMIC PROJECTS

### DORMITORY MANAGEMENT SYSTEM

- Node.js, React, MongoDB

[GitHub Link](#)

Date: May, 2022

- Web app for dormitory administration, automation, and efficacy.

### DEFENDING BLACK HOLE ATTACK

- Network Simulator 3(NS3), C, Python, GNU-Plot

[GitHub Link](#)

Date: Jan, 2022

- Improved AODV to counter black hole attacks in NS-3

### SMART CART

- Arduino, ATmega 32, Atmel Studio, Proteus 832

[YouTube](#)

Date: Nov, 2021

- Prototyped autonomous cart with collision detection & handling.

### TRAVEL AGENCY BD

- Django, Oracle SQL, HTML, CSS

[YouTube](#)

Date: Nov, 2021

- Travel Agency BD web application for travel packages & services.

### MILI MILITIA PRO

- Java, JavaFx, Socket programming

[GitHub Link](#)

Date: Nov, 2020

- Developed multiplayer gaming app for online players.

### NFS KILL TRONE

- C++, iGraphics Custom Library

[YouTube](#)

Date: Nov, 2018

- Developed A-Z adventure game with custom game engine

## RESEARCH PROJECTS

### AN EMPIRICAL STUDY OF USING LARGE LANGUAGE MODELS FOR UNIT TEST GENERATION | SEPTEMBER, 2022

Explored effectiveness of Codex, GPT-3.5-Turbo, and StarCoder

### FIND THE BEST COVER PHOTOS FOR IMAGE STENOGRAPHY USING A GENETIC ALGORITHM | MARCH, 2022

Genetic algorithm research to enhance image stenography security

### STATIC ANALYSIS IN THE CONTEXT OF THE CONTAINER DOMAIN | MARCH, 2022

Proposed security solution for container vulnerabilities through analysis.

## RECOGNITIONS

2022	Vice President	Cyber-Security Club, BUET
2017	8 <sup>th</sup> /215 <sup>th</sup> / SOMC	BUET (Archi) / DU / Medical