

Fahmid Al Rifat

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EDUCATION

BANGLADESH UNIVERSITY OF ENGINEERING & TECHNOLOGY

B.Sc. IN COMPUTER SCIENCE

March, 2017 | Dhaka, Bangladesh

CGPA: 3.60/4.00

RESIDENTIAL MODEL COLLAGE

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

UNDERGRADUATE

- 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

• JavaFX • Django • Node.js • React

WEB TECHNOLOGY

• HTML • CSS • PHP • Bootstrap

• Word-press • JSON • XML

GRAPHICS TECHNOLOGY

• Auto-Cad • Photoshop • Illustrator

• PowerPoint • Premier Pro • OpenGL

COMPILER AND IDES

• Flex • Bison • EMO 8086

MICRO-CONTROLLERS

• Arduino • ATmega 32 • Atmel Studio

• Proteus 832

TECHNICAL WRITING

• \LaTeX • Beamer • Overleaf

OTHER

Networking Simulator 3 (NS3) • iGraphics

• PyTorch • Cisco-Packet-Tracer

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 AUTOMATED UNIT TEST

GENERATION USING GITHUB COPILOT | SEPTEMBER, 2022

Effectiveness, efficiency & limitation of using Copilot to generate unit tests.

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 8th/215th/ SOMC BUET (Archi) / DU / Medical