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   GitHub Link
- Node.js, React, MongoDB   Date: May, 2022
- Web app for dormitory administration, automation, and efficacy.

DEFENDING BLACK WHOLE ATTACK   GitHub Link
- Network Simulator 3(NS3), C, Python, GNU-Plot   Date: Jan, 2022
- Improved AODV to counter black hole attacks in NS-3

SMART CART   YouTube
- Arduino, ATMega 32, Atmel Studio, Proteus 832   Date: Nov, 2021
- Prototyped autonomous cart with collision detection & handling.

TRAVEL AGENCY BD   YouTube
- Django, Oracle SQL, HTML, CSS   Date: Nov, 2021
- Travel Agency BD web application for travel packages & services.

MILI MILITIA PRO   GitHub Link
- Java, JavaFx, Socket programming   Date: Nov, 2020
- Developed multiplayer gaming app for online players.

NFS KILL TRONE   YouTube
- C++, iGraphics Custom Library   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

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