



## RAOA FARIA KARIM

Cloud Support Engineer  
Computer Science Graduate

### ABOUT ME

I graduated from University of Technology Malaysia (UTM) with a major in Computer Science, specializing in Computer Networks & Security. Currently, I work as a Cloud Support Engineer at Wavelet Solutions Sdn. Bhd. and have previous experiences as a Network Engineer Intern and a Security Analyst Intern.

### OBJECTIVE

I am driven to continue my education to further enhance my knowledge and expand my research horizons. Pursuing a PhD in Computer Science will enable me to achieve this goal. I am eager to embrace new challenges, collaborate with others professionally, and achieve my career goal of becoming an exceptional researcher.

### CONTACT



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<https://raoafariakarim.github.io/>

### EDUCATION

#### BACHELOR OF COMPUTER SCIENCE (COMPUTER NETWORKS & SECURITY) 2018-2023

University of Technology Malaysia  
CGPA: 3.39/4.00 (Dean's List Awards)

#### HIGHER SECONDARY CERTIFICATE 2015-2017

Govt. Hazi Mohammad Mohsin College, Chattogram, Bangladesh.  
GPA: 4.83/5.00

#### SECONDARY SCHOOL CERTIFICATE 2005-2015

Ispahani Public School and College, Chattogram, Bangladesh.  
GPA: 5.00/5.00

### WORK EXPERIENCE

#### CLOUD SUPPORT ENGINEER May 2023 – Present

Wavelet Solutions Sdn Bdn Kuala Lumpur, Malaysia

- Providing Technical Support for AWS environment.
- Working with the ERP (Enterprise Resource Planning) and MIS (Management Information Systems) Team.
- Doing Incident Management & Infrastructure Management
- Troubleshooting and Debugging.

#### SECURITY ANALYST INTERN November 2022 - January 2023

Firmus Sdn Bhd, Kuala Lumpur, Malaysia

- Carried out Network Penetration Testing using Nmap tool.
- Performed Web application Penetration Testing using tools like Nessus, burp suit and Mobile Penetration Testing.
- Wrote detailed reports on vulnerability assessment & researching on security services.

#### NETWORK ENGINEER INTERN October 2021 - February 2022

Dotlines Sdn Bhd, Kuala Lumpur, Malaysia

- Created iptables using Bash Scripting for Blacklisting/Whitelisting.
- Packet Capturing and Analysis, DNS web filtering.

#### RESEARCH ASSISTANT August 2020 - September 2021

Final Year Project Lab, UTM, Johor

- Worked under Dr. Johan Bin Mohamad Sharif.
- Assisted fellow students in developing their projects under his guidance.
- Explored Moving Target Defense (MTD) and Deception techniques.
- Developed a project on ad hoc networks, showcasing exceptional research skills.
- Assisted juniors in formatting reports using Latex software.

## ACHIEVEMENTS

### DEAN'S LIST AWARDS

- Dean's List Award (2020/2021-2)
- Dean's List Award (2021/2022-1)
- Dean's List Award (2021/2022-2)

### AIESEC Virtual Volunteer (AIESEC)

- Conducted a workshop on Cyber Security.
- Resolved problems, improved operations, and provided exceptional service.
- Maintained energy and enthusiasm in the fast paced environment.
- Completed all paperwork, recognizing any problem and solving it.

### Hult Prize Participant (Teamwork)

- Gathered entrepreneurial experience based on Sustainable Development Goals (SDGs).
- Developed an idea of biodegradable containers which will serve the environment.
- Worked with UTM XCITE.

## CERTIFICATIONS

### CCNA CERTIFICATIONS

- CCNA : Introduction to Networks
- CCNA : Switching, Routing & Wireless Essentials
- IoT Fundamentals: Connecting Things
- CCNA: Enterprise Networking, Security, and Automation

## TRAININGS

### MICROSOFT MALAYSIA STUDENT ACCELERATOR (MMSA) PROGRAM

Got selected as a participant in the inaugural batch of the program in 2020. This intensive 6-month program focused on advanced analytics & AI, Azure & Cloud Fundamentals, and Web Apps & APIs.

### Big Query Basics for Data Analytics (Google Cloud Jam)

Learnt to query terabytes and terabytes of data without the need for any infrastructure or a database administrator.

## PROJECTS

### UTM Industrial Training System (Final Year Project)

Developed an android mobile application system using Flutter to build a bridge between recruiters and students for internships. I used Data Scraping Technology to advance the search procedure.

### Grading System (Storing the data into linkedlist and binary tree)

Led the team utilizing linked lists and binary trees to store the data efficiently while developing a grading system for our Data Structure & Algorithm course.

### Security ATM Transaction System

Mitigated SQL Injection and XSS vulnerabilities while building ATM transaction system with my team.

### AI in Radiology (Automated Image Analysis and Diagnosis)

Submitted a research report on the scopes of automated image analysis and diagnosis which can also assist radiologists by providing decision support, quantitative measurements, and prognostic insights with the help of AI.

### University Announcement System with Microsoft Power Apps

Built an announcement system using Microsoft Power Apps, which served as the final project in Microsoft Malaysia Student Accelerator Program (MMSA).

## SKILLS

- Security Analysis
- Cryptography
- Data Analysis
- Secure Systems Design
- UX and UI Design
- AWS Cloud Architecture
- Technical Writing
- Programming Language:
  - Dart Language
  - C++
  - Javascript
  - PHP
  - Python
  - R Programming