

## CURRICULUM VITAE

### Rubina Akter

PhD student, NSL, KIT, South Korea.

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### EDUCATION

<b>Kumoh National Institute of Technology</b> PhD Student of Networked Systems Lab. Dept. of IT Convergence Engineering	Gumi, South Korea March, 2019 (Continue)
<b>Jahangirnagar University</b> M.Sc. with First Class in Information Technology. GPA: 3.83/4.00	Savar June, 2016
<b>Mawlana Bhashani Science and Technology University</b> B.Sc. Engg. with First Class in Information and Communication Technology. GPA: 3.37/4.00	Tangail, Bangladesh December, 2014
<b>Cambrian College</b> Higher Secondary School Certificate examination. GPA: 5.00/5.00	Dhaka 2008
<b>Badda Alatunnessa Higher Secondary School</b> Secondary School Certificate examination. GPA: 4.50/5.00	Dhaka 2006

### RESEARCH EXPERIENCE

#### IUBAT University

Dhaka,  
Bangladesh

##### *Research Associate*

- Studied about the impact of green computing in current's world.
- Identified the challenges for executing the concept of sustainable computing.
- Proposed some key facts regarding the implementation of green computing.
- Presented research work on international conference with 200 attendees.

#### Mawlana Bhashani Science and Technology University

Tangail,  
Bangladesh

##### *Research Associate*

- Designed and executed of Half Subtractor using Reversible Feynman Gate in Quantum Dot cellular Automata (QCA).
- Performed statistical analysis on data sets using QCAD.
- Developed modified reversible Feynman gate with better performance.
- Performed research work on Embedded Systems: Security Threats and Solutions

#### Jahangirnagar University

Savar

##### *Research Associate*

- Initiated, designed, and executed research project on "Laboratory and Library

- Management System”
  - **Performed** UI designing, Analysis, design and develop the logic & code.
- High Power Transmitting Station,  
National Broadcasting House**

Savar,  
Agargaon,  
Dhaka.

- Performed a field work.
- Made a report on High Power Transmitting Station and National Broadcasting House

### LEADERSHIP/TEAMWORK EXPERIENCE

**IUBAT University**

Full time Lecturer

Dhaka  
February 2017 -  
continue

- Designed and led daily lecture
- Designed course materials including study problems and exams
- Graded problem sets and exams
- Supervised practicum student
- Arranged event(Programming Contest, cultural program, picnic) etc.

**Asset Soft Technologies Ltd.**

Software Engineer

Dhaka  
January, 2016 to  
January, 2017

- Major responsibilities was Requirement Collection, UI & database designing, Analysis, develop, Implement and test the logic & code.
- Successfully developed five websites and three management project using *java Spring MVC platform.*

**NCC Institute of Technology**

Computer Trainer

Tangail

- Selected as trainer to teach about IT related works, Computer Fundamental, Internet Browsing etc

### Participation

Participated national and international level programming contest.

Contest Team Name: **MBSTU\_KINGKORTOBBOBIMUR**

Contest Name	Year	Venue
ACM ICPC Regional Final	2012	DIU
ACM ICPC Regional Final	2013	NSU
Intra University Programming Contest	2013	MBSTU
Intra University Programming Contest	2011	MBSTU
Intra University Programming Contest	2010	MBSTU

### ADDITIONAL EXPERIENCE

**Professional training program on J2EE by DevNet IT**

Dhaka  
Sept, 2012-

June,2013

*Participant*

- Learned about Web programming, MVC Architecture, Spring MVC Framework, Java Server Pages, Servlets etc.

**Program of MoICT** Bangladesh

*Participant*

- Joined a training program of National Mobile Application Development Awareness & Capacity Building, organized by MoICT, Bangladesh.

**The Messenger** Dhaka  
May,2016 –  
October,2016

part- time service holder

- worked on developing customize Application software
- designed the database & integrated with the application.
- worked on developing & delivering template workflow & finding and handling the error of the application software.

**13<sup>th</sup> International Knowledge Globalization Conference** Dhaka  
,Bangladesh  
(23-25  
February,  
2018)

Author  
Organized by IUBAT university, Knowledge Globalization Institute, Boston, USA,  
Suffolk University, Boston, USA

Successfully completed the workshop on “**Teaching- Learning-Assessment and Quality Assurance**” conducted by the CSE, IUBAT  
Institutional Quality Assurance Cell March 25,  
2017

Actively participated the course on “**Teaching-Learning, Curriculum and Quality Assurance**” conducted by IQAC of IUBAT university with support from HEQEP UGC Sub-Project QAP/B-009. December  
28, 2017

**Bangladesh Computer Society** July 31, 2017  
to December  
31, 2019

Associate Member  
Active member of Bangladesh Computer Society and all the privileges granted by the constitution and bylaws of the Society

### Skills and Interests

#### Computer:

Proficient in IT knowledge

Programming Language	Web Development	Development Tools	Middleware
Java, J2EE MVC(Spring Framework), C, PHP, Objective C, Android, Codeigniter	HTML, CSS, JavaScript, MySQL, jQuery, Bootstrap, Wordpress. AJAX.	NetBeans, Eclipse, IntelliJIDEA.	Xampp, Apache Tomcat

**Languages:** English (bilingual proficiency), Bengali, Hindi.

#### PUBLICATIONS

- RubinaAkter, Nazrul Islam, SajjadWaheed,(2015) “mplementation of Reversible Logic Gate in Quantum Dot Cellular Automata”International Journal of Computer Applications (0975 – 8887) Volume 109 – No. 1, January 2015.
- RubinaAkter, NasrinJahan, Md. Mamunur Rashid Shanta, AnikBarua, (2014) “A Novel Design of Half Subtractor using Reversible Feynman Gate in Quantum Dot cellular Automata” American Journal of Engineering Research (AJER) e-ISSN : 2320-0847, p-ISSN : 2320-0936. Volume-03, Issue-12, pp-87-92
- AnikBarua, Mohammad MinhazulHoque, RubinaAkter,(2014) “Embedded Systems: Security Threats and Solutions” American Journal of Engineering Research (AJER) e-ISSN : 2320-0847 p-ISSN : 2320-0936 Volume-03, Issue-12, pp-119-123

**Note:**

[ One paper is accepted in “13th International Knowledge Globalization Conference 2018” Titled “Moving Towards Green Computing in Today’s Digital World” will be published very soon. ]

**References:**

	<b>Reference: 01</b>	<b>Reference: 02</b>
Name:	Dr. SajjadWaheed	Lion Engr. Md. AhsanHabib
Organization:	MawlanaBhashani Science and Technology University	MawlanaBhashani Science and Technology University
Designation:	Associate Professor	Associate Professor
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Email:	sajad02@yahoo.com	tareqiut@yahoo.com
Relation:	Academic	Academic

**Declaration:**

I hereby declare that the above information is true and correct to the best of my Knowledge.

*Rubina Akter*

(RUBINA AKTER)

**Date: 10/09/2018**