

## **Curriculum Vitae of Farzana Rahman**

**Gender:** Female

**Nationality:** Bangladeshi

**Birth Date:** 1989-08-24

**Address:** 372/1 North Shahjahanpur, Dhaka-1207

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### **Career Objective:**\_\_\_\_\_

To become a dynamic and versatile person who is capable of merging innovative ideas, technology, knowledge and experience for positive contribution towards the rapidly changing scenario of information technology.

### **Educational Background:**\_\_\_\_\_

#### **Doctoral Degree      PhD**

**Artificial Intelligence**

Okinawa Institute of Science and  
Technology Graduate University.

Okinawa, Japan.

Passing Year – 2020

**Thesis: Identifying the Evolutionary Conditions for the Emergence of  
Alternative Reproductive Tactics in Simulated Robot Colonies.**

#### **Post-Graduation      Masters of Science (MS)**

**Computer Science and Engineering.**

From Jahangirnagar University.

Savar, Dhaka.

Passing Year – 2011

**Result: CGPA 3.69 (out of 4.00)**

#### **Graduation      Bachelor of Science**

**Computer Science and Engineering.**

From Jahangirnagar University.

Passing Year – 2010

**Result: CGPA 3.78 (out of 4.00 and First Position)**

#### **Post-Secondary      Higher Secondary Certificate (HSC)**

From Vikarunnesanun college, Dhaka.

Under the Board of Intermediate and Secondary  
Education Dhaka, Bangladesh

Passing Year – 2006

Group-Science.

**Result: GPA 5.00 (out of 5.00)**

**Secondary** Secondary School Certificate (SSC)

From Ideal school and College, Motijheel Dhaka-1000,  
Under the Board of Intermediate and Secondary

Education Dhaka Bangladesh

Passing Year – 2004

Group-Science.

**Result: GPA 5.00(out of 5.00)**

**Major Courses Completed:** \_\_\_\_\_

- Accounting
- Algorithm
- Artificial Intelligence and Expert system
- Computer Architecture
- Computer Peripherals and Interfacing
- Compute fundamental and programming(C)
- Computer Networks
- Compiler Design
- Computer Graphics
- Communicative English
- Communication Engineering
- Control System
- Digital Electronics
- Data Communication
- Digital System Design
- Digital Signal Processing
- Discrete Mathematics
- E-commerce and E-governance
- Mobile and Wireless Communication
- Digital Logic Design
- Database
- Data Mining
- Data Structure
- Economics
- Electrical circuit
- Electronic Circuit
- Foundation of Human Computer Interaction
- Graph Theory and computational geometry
- Information System Design
- Image processing
- Simulation & Modeling
- Mathematics
- Machine Learning and Artificial Neural network.
- Multimedia & Web Engineering.
- Microprocessors
- Distributed System
- Distributed Database
- Numerical Analysis
- Neural Network & Expert System
- Physical Electronics and Electrical Devices
- Physics(Electricity, Magnetism and optics)
- Object Oriented Analysis and Design(OOAD)
- Organization & Management
- Operating System
- Signals and Systems
- Simulation and Modeling
- Software Engineering
- Statistics
- Technical Writing and Presentation.
- Theory of Computation
- VLSI Circuit Design
- Neuro Informatics
- System Administration and Network Management

**Job Experiences:** \_\_\_\_\_

- Research Assistant at Okinawa Institute of Science and Technology Graduate University from January 2014 to June 2020.
- Lecturer (full time) in Computer Science and Engineering of State University of Bangladesh from October 2012 to October 2013.
- Lecturer (part time) in Computer Science and Engineering of Dhaka City College, Bangladesh from June 2011 to September 2012.
- Web developer (part time) in Webexbd (Web solution Company) from 2011 to 2012.

**Publications:** \_\_\_\_\_

- Rahman, F., Amin, M., and Rahaman, A. S. M. M.; 2013; Framework for Modeling Web Based Project Directory System; Journal of SUB; 4(2): 9-16.
- Rahman, F., Doya, K., and Mikheyev, A.; 2020; Identifying the Evolutionary Conditions for the Emergence of Alternative Reproductive Tactics in Simulated Robot Colonies., Artificial Life and Robotics Conference: 51-56.

**Project Works:** \_\_\_\_\_

- Implementation of mating (information exchange) and survival (battery charging) behavior of spring dog robot.
- Characterize protein using molecular electron tomography technique.
- Map projections from Thalamocortical (TC) neurons in lateral geniculate nucleus (LGN) to visual cortex (layer 6) and from visual cortex (layer 6) to TC neuron.

**Thesis work (PhD):** \_\_\_\_\_**Identifying the Evolutionary Conditions for the Emergence of Alternative Reproductive Tactics in Simulated Robot Colonies.**Supervisor: **Dr. Kenji Doya**

Professor, Neural computation Unit, Okinawa Institute of Science and Technology Graduate University, Okinawa, Japan 904-0497

**Thesis work (MSc):** \_\_\_\_\_**Performance Evaluation of Modulation Techniques in Two-hop Wireless Link Under Fading Channel.**Supervisor: **Dr. Abu Sayed Md. Mostafizur Rahaman**

Associate Professor, Department of Computer Science and Engineering, Jahangirnagar University, Savar, Dhaka-1342

**Thesis Project work (BSc):** \_\_\_\_\_**Online Project Directory.** (Web Application)

Using Html, PHP, SQL, CSS, Javascript, ajax,.

Supervisor: **Dr. Abu Sayed Md. Mostafizur Rahaman**

Associate Professor, Department of Computer Science and Engineering, Jahangirnagar University, Savar, Dhaka-1342

**Supervised thesis projects:** \_\_\_\_\_

- Online tourism System (Using Html, PHP, SQL, CSS, Javascript, ajax).
- Retail management System (Using Html, PHP, SQL, CSS, Javascript).

**Other Project works:** \_\_\_\_\_

- Web Application- Department Management System, HTML, CSS, PHP, SQL.
- Application Software- Diagnostic Management System, Java, Oracle.

**Relevant Skills:** \_\_\_\_\_

- Webpage and Web application developing: HTML, CSS, PHP, JAVASCRIPT, AJAX.
- Database management and administration: SQL, ORACLE.

- Animation works: FLASH
- Softwares: Adobe Photoshop, Macromedia Dreamweaver, Nusphere, Flash, MATLAB, LateX and LyX (Document processor), DSCH2, Microwind, Weka-3-5-3, FreeMind, wamp5\_1.4.5RC1, Fontastic (Font Editor), Umbrello, NetBeans IDE, Audacity, Povray.

**Programming Skills:**\_\_\_\_\_

- Matlab, C, C++, Java, SQL, Oracle, HTML, PHP, Javascript, CSS, AJAX

**Extra-Curricular Activities:**\_\_\_\_\_

- Member of Jahangirnagar Programming club (JPC).
- Participate in Information Technology Engineers Examination [ITEE] for Digital Bangladesh-2010.
- Participated in JPC Hardware and Software workshop.
- Organize and participate JPC programming contest.

**Language Proficiency:**\_\_\_\_\_

**Bangla**

Reading -Excellent  
 Speaking - Excellent  
 Writing - Excellent  
 Listening -Excellent

**English**

Reading – Excellent  
 Speaking – Excellent  
 Writing – Excellent  
 Listening – Excellent

**Japanese**

Reading – Basic  
 Speaking – Basic  
 Writing – Basic  
 Listening – Basic

**Hobbies & Interest:**

- ⌘ Animation
- ⌘ World News, Movies & Sports
- ⌘ Reading Literary and Philosophical Book and others
- ⌘ Creative Writing: Poems, Stories, Essays
- ⌘ Organizing Cultural group and activities
- ⌘ Travelling

**REFERENCES**

**1. Dr. Kenji Doya**

Professor, Neural computation Unit.  
 Okinawa Institute of Science and technology  
 Graduate University.  
 Okinawa, Japan 904-0497.  
 email: kenji@oist.jp

**2. Dr. Abu Sayed Md. Mostafizur Rahaman**

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 Science Engineering.  
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