Saria Islam

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CURRICULUM VITAE

Date of Birth: September 12, 1987
Place of Birth: Dhaka
Citizenship: Bangladesh

Education

2009 – 2010	**Master of Science in Computer Science and Engineering,** *Jahangirnagar University* **Study Emphasis:** *Digital Signal Processing and Computer Networks* **CGPA:** *3.58 (in a scale of 4.00)*
2005 - 2009	**Bachelor of Science(Hons.) in Computer Science and Engineering,** *Jahangirnagar University* **CGPA:** *3.64 (in a scale of 4.00)*
2002 – 2004	**Higher Secondary School Certificate (HSC),** *Rifles Public School & College, Dhaka Board* **GPA:** *5.00 (in a scale of 5.00)*
2000 – 2002	**Secondary School Certificate (SSC),** *Mohammadpur Preparatory Girls High School, Dhaka Board* **GPA:** *4.63 (in a scale of 5.00)*

Master's Thesis

Title	**Study of Temporal Lobe of Brain to Analyze Learning Methods of Autistic Individuals.**
Supervisor	Dr. Md. Hanif Ali, Professor, Department of Computer Science and Engineering, Jahangirnagar University
Description	In this thesis the learning methods of autistic individuals have been simulated. The proposed approach has been implemented in MATLAB 7.10.0.499(R2010a). The fMRI images are taken as the input image for segmentation. The results obtained after segmentation is taken as input for morphological operation and analyze the autism behavior compared to the controls based on the activation of temporal lobe and other cortical regions of brain.

Bachelor's Thesis

Title	**Performance Analysis of Different Smoothing Methods on n-grams for Statistical Machine Translation.**
Supervisor	Muhammad Arifur Rahman, Assistant Professor, Department of Physics, Jahangirnagar University
Description	This thesis evaluate the performance of three most widely-used smoothing algorithms for language modeling: Witten-Bell smoothing, Kneser-Ney smoothing, and Modified Kneser-Ney smoothing. For the evaluation BLEU (Bilingual Evaluation Understudy) and NIST (National Institute of Standards and Technology) scoring techniques were used.

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Experience

May 18, 2018 – Present	**Assistant Professor,** Computer Science and Engineering, School of Science and Technology, Bangladesh Open University, Bangladesh.
	Conduct theory and practical courses for undergraduate students at different capabilities, participate in administrative activities as member of different departmental and university committees and assisted students in co-curricular & extra-curricular activities.
Dec, 2015 – May 17, 2018	**Lecturer,** Computer Science and Engineering, School of Science and Technology, Bangladesh Open University, Bangladesh.
	Conduct theory and practical courses for undergraduate students at different capabilities, participate in administrative activities as member of different departmental and university committees and assisted students in co-curricular & extra-curricular activities.
July7, 2010 – November 30, 2014	**Senior Lecturer,** Department of CSE, IBAIS University, Bangladesh.

Performed Academic, Research & Administrative Duties.
Detailed Description:

- *Theory and Practical Courses Conducted:*
    - *Computer Algorithms*
    - *Computer Programming with C*
    - *Database Management Systems*
    - *Data Structure*
    - *Object Oriented Analysis and Design*
    - *Artificial Intelligence*
    - *Computer Architecture*
    - *Computer Graphics*
    - *Web Engineering*
    - *Distributed System*
- *Thesis/Project Supervision:*
    - *Study on Implementation of Mikrotik Server and Network Security System*
    - *A Comparative study among the generation of different Communicative Technology*
    - *A Comparative Study of Agile and Heavyweight Software Development Methodologies*

Publication

2020	*"Security Auditing Tools: A Comparative Study."* International Journal of Computing Sciences Research, 5(1), 407-425, DOI: 10.25147/ijcsr.2017.001.1.49
2016	*"Use of Technology in Open and Distance Education: A Guideline for the Educational Institutions in Bangladesh."* International Journal of Applied Information Systems 10(4):1-5, January 2016. Published by Foundation of Computer Science (FCS), NY, USA, DOI: 10.5120/ijais2016451481
2013	1. *"Implementation of Shamir's Secret Sharing on Proactive Network",* International Journal of Applied Information Systems (IJAIS) – ISSN : 2249-0868, Foundation of Computer Science FCS, New York, USA, Volume 6 – No.2, September 2013, Pp: 17-22, DOI: 10.5120/ijais13-451003.
	2. *"Contour Based Face Recognition Process",* International Journal of Computer Science & Engineering Technology, July 2013, Volume-3, Issue- 7, Pp: 244-248.
	3. *"Defining the Structure of Bangla Noun Phrase and Developing Rules for UNL",*

International Journal of Scientific and Engineering Research, 2013, volume-4, Issue-5, May-2013, Pp: 1803-1808.

2012 1. *"Performance Analysis of Different Smoothing Methods on n-grams for Statistical Machine Translation"*, International Journal of Computer Applications, 2012, volume-46, number-2, Pp: 45-51, Foundation of Computer Science, New York, USA, DOI: 10.5120/6877-9090.

2. *"A Comparative Study of Witten Bell and Kneser-Ney Smoothing Methods for Statistical Machine Translation"*, Janangirnagar University Journal of Information and Technology, volume-1, June 2012, Pp: 1-6,.

Technical Skills

Programming Language	Prolog, LISP, C, C++, Java, Assembly Language, C#.
Scripting Language	HTML, CSS, JavaScript and PHP.
Simulation	PSpice, Verilog, MATLAB, SIMULINK
Tools	Microsoft Visual Studio, JDK, J2me, Macromedia Dreamweaver, ArgoUML, Netbeans, Idea.
Database	MySQL, Microsoft SQL Server, Oracle.
Operating Systems	Microsoft Windows (Server/Professional), Linux (Redhat, Debian, Mandrake, Ubuntu), Solaris, FreeBSD.

Languages

Bengali	Mother tongue
English	Intermediate

Professional Courses

2010	Web Design course from IAC, BUET.

Interest

- Reading
- Listening Music
- Travelling

References

Dr. Jugal Krishna Das, Professor, Department of Computer Science & Engineering, Jahangirnagar University.
Email: cedas@juniv.edu, Cellular: (088) 01712-509082

Dr. Md. Hanif Ali, Professor, Department of Computer Science & Engineering, Jahangirnagar University.
Email: hanif_ju03@juniv.edu, Cellular: 01712-596955

Dr. K. M. Rezanur Rahman, Professor & Dean, School of Science and Technology, Bangladesh Open University.
Email: kreza@bou.edu.bd, Cellular: (088) 01726-202060