

# Nasrin Akter

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<https://nasrin-akter-88.github.io/website/>

## EDUCATION

2018–2019

### **MSc in Computer Science and Engineering, CGPA: 3.67**

Department of Computer Science and Engineering, East West University, Bangladesh.

Research Project: *Detection of Autism Spectrum Disorder applying Deep Neural Network.*

Supervisor: Dr. Md. Nawab Yousuf Ali, Associate Professor.

2007–2011

### **BSc in Electronics and Telecommunication Engineering, CGPA: 3.81**

Department of Electronics and Telecommunication Engineering, Daffodil International University.

Thesis: *Acoustic Echo Cancellation for the advancement in Telecommunication.*

Supervisor: Dr. A.K. M Fazlul Haque, Associate Dean & Professor.

## RESEARCH INTERESTS

- Machine Learning
- Deep Learning and classical algorithms
- Healthcare decision making and decision support, Health data analytics, Medical imaging informatics.
- Data Mining
- Social Network Analysis

## SELECTED HONOURS AND AWARDS

2019 Scholarship, "Medha Lalon", East West University, Bangladesh.

2007-2011 Merit Based scholarship, Daffodil International University.

## PUBLICATIONS

### **Peer-reviewed publication in refereed journal**

- Shithi Maitra, Sakib Eshrak, Md. Ahsanul Bari, Abdullah Al-Sakin, Rubana Hossain Munia, Nasrin Akter, Zahir Haque. *Prediction of Academic Performance Applying NNs: A Focus on Statistical Feature-Shedding and Lifestyle. International Journal of Advanced Computer Science and Applications(IJACSA), Volume 10 Issue 9, 2019.*

### **Paper submitted in refereed conference**

- Shithi Maitra, Nasrin Akter, Afrina Mithila, Tonmoy Hossain, Mohammad Alam. *Apriori-backed Fuzzy Unification and Statistical Inference in Feature Reduction: An Application in Prognosis of Autism in Toddlers. International Conference on Advanced Computing and Intelligent Engineering.*

### **Paper in progress**

- Nasrin Akter, Dr. Md. Nawab Yousuf Ali. *Detection of Autism Spectrum Disorder applying Deep Neural Network.*

## INVITED PRESENTATIONS

- Showcased bdNOG's (forum of voluntary IT professionals) contributions in Bangladesh internet community, NOG sessions, APRICOT 2016, New Zealand.

## PROFESSIONAL EXPERIENCE

October 2015–30th April, 2018

**Business Analyst, Manager**, REVE Systems, Dhaka, Bangladesh.

Research on top-notch technologies for software solutions, analyze software requirements and prepare technical documentations (e.g., gap analysis, RFI, RFQ, RFP, SRS, PAT, UAT, business cases and software user manuals).

August 2014 – February 2015

**Senior Engineer, Network Operation and Coordination**, Drik ICT Ltd, Dhaka, Bangladesh.  
Ensuring network system infrastructure's stability and leading support engineers to troubleshoot network issues.

August 2012– December 2013

**Network Operation and Coordination/Transmission Engineer**, MOS5 Tel Ltd, Bangladesh.  
Configuration of network hardware and software components(Genband, Tejas 1600C MUX),voice traffic engineering and troubleshoot disordered voice packets.

June 2011– July 2012

**Support Engineer, Fiber infrastructure, Link3 Technologies Ltd**, Dhaka, Bangladesh.  
Monitor optical fiber network infrastructure and troubleshoot network issues.

## TECHNICAL SKILLS

- **Skills:** HTML, CSS, JavaScript, PHP, Machine Learning, Big Data, Python, HTTP, OSI model, TCP/IP, Routing protocols, IPv6 addressing and address Planning, SDH Multiplexing, SS7 Signaling issues, Voice Codecs, telephony technologies (ISDN, SIP, H.323).
- **Tools:** Network management and monitoring tools (Observium, OpManager, SNMPc), network diagnostic tools (PuTTY, Wireshark packet analyzer, Cacti).
- **Operating System:** Windows-XP, MS Office Suite.

## CERTIFICATIONS AND TRAININGS

- Analysis of Big Data in making intelligent business decision, AND, Bangladesh.
- ITIL ® Foundation Certification-IT Service Management, AXELOS.
- Awareness session on CMMI, ISO 9001 & ISO/IEC 27001, UniCert Services Ltd, India.
- CCNA Routing and Switching. CISCO ID: CSC012599200.
- Routing(IP v4/v6), South Asian Network Operator Group(SANOG).
- CCNA Security, American International University of Bangladesh(AIUB).

## COMMUNITY INVOLVEMENT

- **Conference Fellow**, APRICOT (Asia Pacific Regional Internet Conference on Operational Technologies) 2016, New Zealand. (Presented NOG sessions to showcase bdNOG's contributions in Bangladesh internet community).
- **Conference Fellow**, SANOG(South Asian Network Operators Group), 23, Nepal. Certified on Routing (IPv4/IPv6), OSPF, ISIS,BGP.

## VOLUNTEER EXPERIENCE

- BCC, Bangladesh Computer Council Membership ID: 09597
- bdNOG, Bangladesh Network Operator Group.

## MEMBERSHIPS

- Campaigned for women in ICT industry, illustrated the women battle against tradition to establish career in ICT Bangladesh, APNIC, New Zealand.

## ACTIVITIES AND INTERESTS

Music                      Two years course on Tagore Song, Chayanot Sangeet Bidyaaton, Bangladesh.

Recitation                Awarded 3rd place in "Intra-University Cultural Competition-2010, Daffodil International University Cultural Club.

## LANGUAGE COMPETENCIES

- My mother language is Bengali. Moreover, I have a good proficiency in English language.
- English was the medium of instruction in both of my universities: East West University (IAU Global WHED ID-003952) and Daffodil International University (IAU Global WHED ID- IAU-003457 ).

**REFERENCES** : Available upon request