

## Nasrin Akter

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### 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
- Knowledge-Based Systems
- Artificial Intelligence (AI)
- Adaptive Systems
- Design and analysis of Algorithms

### SELECTED HONOURS AND AWARDS

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

2007-2011 Result based waiver(100% of tuition fee), Daffodil International University.

### PUBLICATIONS

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

Maitra, S., Eshrak, S., Bari, M. A., Al-Sakin, A., Munia, R. H., Akter, N., et al. (2019). Prediction of Academic Performance Applying NNs: A Focus on Statistical Feature-Shedding and Lifestyle. *International Journal of Advanced Computer Science and Applications(IJACSA)*, 10(9), 9.

#### **Paper submitted for Conference**

Maitra, S., Akter, N., Mithila , A., Hossain, T., & Alam, M. (n.d.). Apriori-backed Fuzzy Unification and Statistical Inference in Feature Reduction: An Application in Prognosis of Autism in Toddlers. *Journal of Intelligent & Fuzzy Systems*.

#### **Paper in progress**

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

### 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:** Machine Learning, Big Data, Python, HTML, CSS, JavaScript, PHP, 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).

## CONFERENCE

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

## VOLUNTEER EXPERIENCE

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

## MEMBERSHIPS

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

## LANGUAGE COMPETENCIES

- My mother language is Bengali. Moreover, I have a good proficiency in English language.
- General IELTS Score: Listening 8.5, Reading 7, Writing 6, Speaking 7.
- English was the medium of instruction in my universities: East West University (IAU Global WHED ID-003952) and Daffodil International University (IAU Global WHED ID- IAU-003457 ).