Md. Amer Akhtab Muizz

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Github: https://github.com/amerakhtab

Education

2018-Present
Master of Business Administration (MBA)
Institute of Business Administration, University of Dhaka
CGPA - 3.57 out of 4.00

2014-2017
Bachelor of Science in Electrical and Electronic Engineering (B.Sc.Engg.)
Islamic University of Technology (IUT)
CGPA - 3.70 out of 4.00
Thesis: *Optimization of DRX power saving for LTE based IoT devices*
Supervisor: Dr. Mohammad T. Kawser

2012-2013
Advanced Level (A Level) (Edexcel)
Maple Leaf International School
Grades - 1A*, 2A, 1B (out of 4 subjects)

2010-2011
Ordinary Level (O Level) (Edexcel)
Maple Leaf International School
Grades - 7A (out of 7 subjects)

Certifications

Data Science Specialization at Coursera (Ongoing)

Awards

2014-2017 | Organization of Islamic Cooperation (OIC) Scholarship at IUT.
2014 | The Daily Star Achievement Award (A level).
2012 | The Daily Star Achievement Award (O level).

Research Interests

- Data analytics
- Machine learning

Undergraduate Thesis

Title: Optimization of DRX power saving for LTE based IoT devices.
Supervisor: Dr. Mohammad T. Kawser
Abstract: One of the key challenges in machine type communication (MTC) is to reduce the energy consumption of the user equipment (UE). In LTE, the key technique to saving power and prolonging battery life is known as discontinuous reception (DRX). The configuration of the extended DRX (eDRX) cycle in Release 13 is a tradeoff between the delay in each session and the paging waste for a user equipment which has a velocity. The objective is to minimize the total battery usage all the while keeping the tradeoff with the delays and the paging wastage minimum as well.

Extra-curricular Activities

- 2014-Present | Associate Director at Ganim Int'l School, Mahmudpur, Jamalpur, Bangladesh.
- 2015-2018 | Contributing Writer at 'The Weekend Independent', supplement of a national daily newspaper, The Independent.
- 2017 | Head of Public Relations of Esonance 2017, a national festival organized at IUT.
- 2015 | Volunteer at logistics and food department of Esonance 2015.

Technical Skills

- Programming packages | C, Matlab, R
- Computer aided design | PSpice, Proteus, Microwind, AutoCAD

Language Skills

- Bengali (Native)
- English (IELTS Overall Band 8; Validity ended Feb 2020)

Test Scores

- GRE (Combined score of 316; Quant 163, Verbal 153, AWA 4.0)
- IELTS (Band Overall 8. Listening 9, Reading 9, Writing 7, Speaking 7.5; Validity ended Feb 2020)

Industrial Training (November 2016)

Under the supervision of the Department of EEE, IUT and completed it obtaining the grade A+. Training included industry visits and lectures from professionals in different fields.

Organization	Area of Focus
Bangladesh Atomic Energy Commission (BAEC)	Overview of Nuclear Reactor, Reactor Operation, Isotope Generation
Bangladesh Telecommunication Limited (BTCL)	Optical Fiber Communication, Wireless and Satellite Communication, Submarine Cable Distribution

Organization	Area of Focus
Adex Group of Industries	Manufacturing of Transformers, Switchgears, Relays and their Quality Testing
Micro Fibre Group	Captive Power Station, Operation of a Garments Factory
Bangladesh Power Development Board (BPDB)	Generation of Electrical Energy from Thermal, HydroNuclear Energy, Distribution of Electrical Power, Operation of a Thermal Power Station

Referencees

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Dr. Md. Rezaul Kabir
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