Methila Biswas Raya
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EDUCATION

University of Liberal Arts Bangladesh | Dhaka, Bangladesh
BSc: Electronics and Telecommunication Engineering
C.G.P.A: 3.55 out of 4.00 | **Passing Year:** 2018

South Valley International School (University of Cambridge International Examinations)
November 2012 - June 2013
Advanced level (A level): Mathematics (P1, P2&3, M1, S1), Biology, Physics (AS, A2), Chemistry (AS, A2)

South Herald English School (University of Cambridge International Examinations)
November 2009 – June 2011
Ordinary level (O level): Physics, Chemistry, Biology, Principles of Accounts, Mathematics, Additional Mathematics, English Language, Bengali

PROFESSIONAL EXPERIENCE

Junior ML Engineer- Zantrik (September 1, 2020 to Present)

- Research and Development
- Worked with object detection
- Collected and preprocessed dataset
- Trained model
- Developed pipeline
- Worked with kivy framework

Lecturer- Bangladesh Institute of Science & Technology, Electronics & Communication Engineering (February 1, 2020 to August 31, 2020)

- Taught Course
  1. Electrical Instrumentation & measurements
  2. Digital systems lab
  3. Antenna and Wave propagation
  4. Computer networking

Machine Learning Developer Internship- Zantrik (June 1, 2020 to August 31, 2020)

- Collected and preprocessed dataset
- Research & Development

Teaching Assistant- University of Liberal Arts Bangladesh, Electrical & Electronics Engineering (October 13, 2019 to January 25, 2020)

- Assisted course
  1. Electronics Devices and Circuits I Lab
  2. Microwave and Radar Engineering Lab

Teaching Assistant- University of Liberal Arts Bangladesh, Electrical & Electronics Engineering (June 1, 2018 to September 25, 2018)

- Assisted course
  1. Chemistry Lab
  2. Antenna and Wave Propagation Lab
  3. Optical Fiber Communications Lab

PUBLICATIONS

- S.Pal, **M.B.Raya**, K.Ali, "Computation of Resonant Frequency and Gain from Inset Fed Rectangular Shaped Microstrip Patch Antenna Using Deep Neural Network", *4th International Conference on Electrical Information and Communication Technology (EICT)*, Khulna, Bangladesh, 20-22 December 2019
- **M.B.Raya**, S. Pal, K.Ali, "Design of Inset Fed Rectangular Shaped Microstrip Patch Antenna Using Deep Neural Network", *22nd International Conference on Computer and Information Technology (ICCIT)*, Dhaka, Bangladesh, 18-20 December 2019
- **M.B.Raya**, T. Fouzder, M.M.Hossain, K.Ali, "Polypropylene Sheet Reinforced Textile Antenna with Reduced Bending Effects", *5th International Conference on Advances in Electrical Engineering (ICAEE)*, Dhaka, Bangladesh, 26-28 September 2019

PROJECT

- Autonomous car
- Creation of Bluetooth Communication and Android control Robo-Car
- Creation of CMOS fabrication IC design with I/O pad

PARTICIPATION IN COMPETITIONS

- Poster presentation and Project showcasing in **ULAB CSE Fest** under **IEEE.**
- Participated in the **Electronics Olympiad.**
- Participated in **Telco-Warfare 2016.**

TRAINING AND CERTIFICATIONS

- Leveraging ICT for Employment and Growth of the IT-ITES Industry (LICT-NUS)

SKILLS

- C, Java, PHP, CSS, Laravel, DSCH, Microwind 2, MATLAB, Packet Tracer, CST, Solidworks, Python, SQL, Kivy
- Adobe Photoshop, Adobe Illustrator

COMPETENCES

- Team work
- Research & Development
- Academic research paper writing
- Documentation and presentation

REFERENCE

Khaleda Ali, Phd
Assistant Professor
Department of Electrical and Electronic Engineering
University of Dhaka
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Mehedi Hasan
Software Engineer
Artificial Intelligence, Zantrik
Dhaka, Bangladesh
mehedi@zantrik.com