Sarker Md. Nazmul

Fresh Graduate, Quick learner, Focused

Address: 31/k (Kollan), BTCL Colony, Banani, Dhaka - 1213

Phone: 01671807617

Email: snazmul35921@gmail.com

LinkedIn: linkedin.com/in/sarker-md-nazmul-85902615b

A dedicated individual willing to apply acquired knowledge in the field of complex engineering problem and suitable organization. Adept in handling tasks efficiently while working as an individual as well as in a team. Taking the rapid growth of technology as a blessing in constant self-development and projects.

Experience:

2018-03 - 2019-05 — **Volunteer**

American International University-Bangladesh

- Delivered expert clerical support by efficiently handling wide range of routine and special requirements.
- Helped with administrative support, including managing incoming calls, coordinating files and sorting mail.

2018-03 - 2019-05 — **Jr. Executive**

Level3 Carrier

- Delivered expert technical support by efficiently handling wide range of Installation and troubleshooting customer's WAN/LAN devices specially Routers and Switches.
- Helped with administrative support, including managing incoming calls, coordinating files and sorting mail.

Education:

2004-01 – 2015-03 — **Secondary School Certificate Examination**

Banani Bidyanikaton School & Collage – Banani, Dhaka

- Started my academic journey as school level.

- Spent 11 years of academic life

- GPA: 4.78 on a scale of 5

2015-06 – 2017-07 **Higher Secondary Certificate Examination**

Milestone Collage – Uttara, Dhaka

- Spent 2 years of academic life

- Patriated Debating competition

- GPA: 4.50 on a scale of 5

2017-09 – 2021-05 **BSc in Electrical and Electronic Engineering (EEE)**

American International University-Bangladesh (AIUB), Dhaka (Bangladesh)

- Earned 145 Credits Included elective in "Digital Design with System [Verilog, VHDL, FPGAS]" and "Computer System Architecture"

- **Undergraduate Project Title:** Autonomous Self-balancing Human Asist Robot

- **CGPA:** 3.94 on a scale of 4

Research Experience:

2017-09 – 2021-05 **Undergraduate Final Year Project**

Autonomous Self-balancing Human Asist Robot

- Background Studies included existing engineering lab equipment and their prices, students' experiences in engineering and computer labs.

- Designed and implemented reconfigurable reasonable cost Autonomous Self-balancing robot personal and also industrial purpose.

- Simulated the project works through MATLAB, Proteus, Solid Work, COMSOL Multiphysics

- Conducted a survey and analyzed the students' and user feedback post-using the designed robot

- Undergraduate Project included a scientific written Project Book and a poster

2020 - 2021, Fall **Academic Course Project**

Contactless Body Temperature Detection & Social Distance Maintaining System

Microprocessors and Embedded System *(Course Name)*

- Arduino Uno based project thinking of Covid-19 pandemic situation

- Simulated the project works through Proteus
- Included a scientific written Project Summery

2019 – 2020, Fall **Academic Course Project**

Contactless Alternating Current detection in electric wire

Digital Electronics Lab *(Course Name)*

- Designed by 555 timer IC
- Simulated the project works through Proteus

2018 – 2019, Spring **Academic Course Project**

Audio Amplifier Using Operational Amplifier

Analog Electronics 1 & 2 Lab *(Course Name)*

- Conducted through 555 timer IC
- Used Multisim for Simulation
- Included a scientific written Project Summery

Research Skills:

Laboratory Work

- Clear designing ideas of circuit and PCB schematic over PCB designing tool
- Skilled at single layer PCB fabrication and soldering
- Extensive knowledge on designing and performance analysis on analog and digital circuitry
- Quantitative analysis of Experimental data through MATLAB, OptiSystem and Excel
- Moderate knowledge on Simulink design, MATLAB coding, Proteus, Aldec Active HDL, OptiSystem and Proteus
- Entry level tool using capability on COMSOL, Cadence, and Solid work
- Basic level skills on C, C++, Python

Field Work

- Combining information from multiple sources, blending online and offline materials to aid research

- Collection and preparation of equipment samples for lab works
- Basic Knowledge on Product Development and users feedback Surveying

Co-curricular Experience:

5th-7th January, 2021

Attendee

2nd International Conference on Robotics, Electrical and Signal Processing Techniques 2021 (ICREST 2021)

- Attended 3 sessions on Robotics, Automation & Control
- 5 research work and project ware presented by participants of different corner of world in each session
- Wrote a summary on a particular session

2021-03 – 2021-04

Participant of Online course organized by Coursera

Programming for Everybody (Getting Started with Python) - offered by

University of Michigan

- Accomplish Basic knowledge on Python
- Completed 2 project based on acquired knowledge
- Earned certificate of recognition

2020-10 – 2020-11

Trainee

MATLAB Onramp - offered by

MathWorks Community

- Got to know user interface of MATLAB
- Learnt MATLAB Coding from very basic

5th-7th January, 2021

Participant of Online Workshop

Learn 3D Modeling with Blender - organized by

The American Center U.S. Embassy Dhaka

- Perceive a great overview on 3d Modeling
- Completed 1 project based on obtaining knowledge

- Earned Certificate of Completion

2015-10 – 2017-05	**Scholar**

English Access Micro Scholarship Program Bangladesh – offered by

U.S. Embassy Dhaka

- Two-year interactive program that builds a foundation of English language, American culture, and leadership skills for 13–20-year-olds
- U.S. State Department-funded
- Praised by U.S. Ambassador to Bangladesh at graduation ceremony

Honor & Membership:

Honor and Award

- Recipient of Academic Scholarship (60% on tuition fees) from AIUB to complete the Undergraduate degree
- Dean's List Honor in Spring 17-18, Fall 18-19 & Spring 18-19
- Awarded Academic Honor "Magna Cum Laude (Silver Medal)" for Academic Excellence at AIUB's 20st Convocation

Reference:

Kawshik Shikder, *MIEEE*
Assistant Professor
Department of EEE & CoE, Faculty of Engineering;
Motivator, *IEEE AIUB Student Branch;*
American International University-Bangladesh (AIUB)
Office # D0110 (Building-D, Ground Floor), AIUB

Prof. Dr. Md. Abdur Rahman
Associate Dean, Feculty of Enggineerting
Professor, Department of EEE & CoE;
American International University-Bangladesh.
Email: arahman@aiub.edu