

## Academic CV

### **Samsil Arefin Mozumder**

**Date of Birth:** 11<sup>th</sup> September 1996

**Nationality:** Bangladesh

**Marital Status:** Unmarried

**Present Address:** 306/A, Yeakub Nagar, Feringhee Bazar,  
Kotowali, Chattogram, Bangladesh.

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**Github Profile:** samsilarefin313.github.io/profile/

### **Academic Qualification (From the Top Level)**

2017-2020	Bachelor of Science in Electrical & Electronic Engineering, School of Science, Engineering and Technology, East Delta University, Chattogram, Bangladesh. Graduated in December 2020 (CGPA 3.26 out of 4.00) <b>86%</b> Marks.
2013-2017	Diploma In Engineering In Electronics Technology Chattogram Polytechnic Institute, Chattogram, Bangladesh. Bangladesh Technical Education Board Dhaka, Bangladesh. (GPA 3.12 out of 4.00) <b>62%</b> Marks.
2013	Secondary School Certificate (S.S.C) Board of Intermediate and Secondary Education Chattogram, Bangladesh. (GPA 4.94 out of 5.00) <b>78%</b> Marks.

### **Job Experience**

**Designation:** Deputy Field Controller

**Department:** Engineering

**Organization:** OPSEED CO., (BD) LTD

**Duration:** Feb-2020 to Mar-2021

#### **Projects:**

- Automatic Ionized Air Blower
- Reverse Harness Detector
- Stack Light Interfacing with Software Writing Machine
- Heat Shrink Tube Cutter Machine Modification.
- OK, NG Indicator Lamp Modification in Sound Check Tester
- Bend Product Check Tester

### **Industrial Attachment**

At Shah Amanat International Airport Chattogram under the department of Communication and Engineering (July 2017 – October 2017)

### **Publication**

- Samsil Arefin Mozumder and A. S. M. Sharifuzzaman. Sagar, " **Smart IoT-Biofloc Water Management System Using Decision Regression Tree**," in *International Conference on 4<sup>th</sup> Industrial Revolution and beyond (IC4IR)*, Dhaka, Bangladesh, 2021.
- Samsil Arefin Mozumder and A. S. M. Sharifuzzaman. Sagar, " **IRHA: An Intelligent RSSI based Home automation System**," in *2<sup>nd</sup> International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)*, Tamil Nadu, India, 2022.

### **Honors and Awards**

- Dean List – East Delta University Summer 2020  
I was selected for the School of Science, Engineering, and Technology Dean's list for maintaining a 3.5 Grade Point Average or above, while taking at least 12 credits during summer 2020.
- Dean List – East Delta University Fall 2020  
I was selected for the School of Science, Engineering, and Technology Dean's list for maintaining a 3.5 Grade Point Average or above, while taking at least 12 credits during Fall 2020.

### **Key skills & Competences**

- Embedded Systems Designs, Internet of Things (IoT), Robotics.
- Able to plan projects and organize tasks effectively.
- Ability to resolve problems independently.
- Flexible with working hours.
- MS Office (MS-word, Excel, PowerPoint, etc.), Python, C++, C, MATLAB, etc.

### **Projects:**

#### **Analog Projects:**

- Relay Switching, Water level Indicator, FM Transmitter, Dark Switch
- Timer Circuit, Wave Generator, Auto Water Pump, Clap Circuit
- Audio Amplifier, AM Receiver, Relay Switching (Using LM 386)
- Motor Driver Circuit (Using L293D, L298N, TIP 120, TIP 122, IRFZ44)
- Various Sensor Interfacing Circuit ( LDR, IR Sensor, MQ2)

#### **Digital & Programmed Projects:**

- Face Mask Detection Based Automatic Gate
- Rubik's Cube Solver Robot
- Face Recognition and Temperature Detection Based Automatic Gate
- Mini CNC plotter
- Voice Control Robot (With 5 Commands)
- Level Sensing Device
- Digital Height Measuring Device

- Temperature Displaying System (Load Control According to Temperature)
- IoT Based Home Automation
- IoT Weather Station
- Automatic Water Bottle Filling Machine
- Campus Automation
- Electronic Voting Machine

### **Communication skills and competence:**

- Native language: Bengali
- Other languages: English- Fluent  
**IELTS - 5.5 (S-5.5, L-5.5, R-6, W-5.5)**

### **Hobbies**

When I am free from my routine work, I always keep myself busy with doing other things. I like indulging myself in traveling or visiting places during my leisure or free time. I like to take challenges. I am very much interested in different cultures. I visited the hilly areas of Bangladesh to learn the lifestyle and culture of different ethnic groups. Besides this I also like to spend my free time with reading academic writings, playing cricket.