

## Academic CV

### **Samsil Arefin Mozumder**

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

**Nationality:** Bangladesh

**Marital Status:** Unmarried

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

**Objectives:** To apply the knowledge and expertise acquired in Electrical and Electronic Engineering to deepen and strengthen my knowledge in the field of Embedded System.

### Academic Qualification (From the Top Label)

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 Bangladesh Technical Education Board Chattogram; 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:** Production Engineering

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

#### 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

## **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, Power Point etc.), Python, C++, C, MATLAB etc.

## **Projects:**

### **Analogue 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)
- AC-DC Power Supply
- Motor Driver Circuit (Using L293D, L298N, TIP 120, TIP 122,IRFZ44)
- Various Sensor Interfacing Circuit( LDR, IR Sensor,MQ2,)

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

- Smart IoT Biofloc System (On going for conference)
- 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
- Distance Measuring Tool
- Gas Leakage Detector
- Temperature Displaying System (Load Control According to Temperature)
- IoT Based Home Automation
- IoT Weather Station
- Atmospheric Pressure sensing for knowing Altitude
- Automatic Water Bottle Filling Machine
- Campus Automation
- GSM Controlled Pump ON/OFF and Confirmation

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

- Native language: Bengali
- Other languages: English- Fluent

### **Hobbies**

When I am free from my routine works, I always keep myself busy with doing other things. I like indulging myself to traveling or visiting places during my leisure or free time. I listen to piano music, watching documentaries and do electronic projects. Besides this I also like to watch sky at night.