

Academic CV

Samsil Arefin Mozumder

Date of Birth: 11th 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) 86% 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) 62% Marks.
2013	Secondary School Certificate (S.S.C) Board of Intermediate and Secondary Education Chattogram, Bangladesh. (GPA 4.94 out of 5.00) 78% 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 4th 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 *2nd International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)*, Tamil Nadu, India, 2022.[Submitted]

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

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 works, 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.