

SAUMITRA SARKER

Satkhira Sadar, Satkhira

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CAREER OBJECTIVE

To work as an Engineer in Renewable Energy sector of a private or multinational company, and grow rapidly with increasing responsibilities.

ACADEMIC QUALIFICATIONS

B.Sc. in Electrical and Electronic

Engineering (2016-20)

Daffodil International University (DIU),
Dhaka, Bangladesh. CGPA: **3.81** out of 4.

Diploma in Electronics Engineering

(2010-2014)

Satkhira Govt. Polytechnic Institute (SPI),
Satkhira, Bangladesh.
CGPA: **3.22** out of 4.

JOB EXPERIENCE

Embedded Hardware Engineer (R&D)- (Feb 21- July 21)

CredoSense Ltd, Khilkhet, Dhaka, Bangladesh.

Responsibilities:

- Work on different communication protocols (UART, SPI, I2C, BLE).
- Calibration of sensors, QA, fault analysis and providing solutions, equipment maintenance, and so on.
- Designing Schematics and PCB, PCB assembly, quality check, analysis for prototyping as well as the final product.
- Calibration of sensors, QA, fault analysis and providing solutions, equipment maintenance, and so on.

Intern Embedded Hardware Engineer. (Nov 20 - Feb 21)

E_LAB Bangladesh Ltd, Aftab Nagar, Rampura, Dhaka.

Responsibilities:

- Analog and Digital Circuit Design and Simulation
- Hardware Parts Selection, Prototyping, PCB & Firmware Development, Research.

KEY SKILLS

Language: Python, C, MATLAB, Arduino.

Modeling: Simulink, PS-Pice, LTspice Cadence, Proteous.

Software: MS-Office, G-Suite,

OS: Windows (XP, 7,10), Ubuntu.

Other: Computer Networking, Router & Switch Configuration, PCB- Design, SMD Soldering, Embedded System, Prototyping, etc.

ACHIEVEMENT

- Asian University Presidents Forum (AUPF) Scholarship-2019, Selected top 12 among the 280 students.
- Dean's List Award at Engineering Faculty-DIU. (Above 3.75 CGPA 1st – 3rd Semester)
- Six Times DIU SGPA Scholarship (above 3.80 out of 4).

RESEARCH & PROJECT EXPERIENCES

- Capacitive Soil Moisture Sensor (R&D). (2021)
- IoT Based Field Moisture & Pump Control. (Prototy.-2020)
- Weather Station Development. (2020-2021)
- Prospect and Practice of Renewable Energy in Bangladesh. (2019-20) Supervisor: Dr. A K M Alomgir
- Single Phase Inverter with PWM Control. (2018-18) Supervisor: Mr. A K M Ahsan Habib
- Obstacle Avoiding Robot by Using Microcontroller. (2018-18) Supervisor: Mr. Khandaker Reaz Mahmud

TRAINING & PROFESSIONAL CERTIFICATION

- Image Processing With MATLAB, MathWorks, 2022
- Python Data Structures -7 Weeks, Coursera, 2020
- MATLAB Onramp, MathWorks, 2020
- Soft Skills Enhancements-1 Month, DIU-VC Office, 19
- Winning in the Work World – 4 Months, Krempel Communication International, 2019
- CCNA – 6 Months, DIU Cisco Network Academy,2018

Hobby: Poetry Recitation and Cooking.

EXTRA CURRICULAR ACTIVITIES

- Volunteer & Researcher, Cyber Security Center-DIU. (2018-20)
- Event Organizer, DIU-Robotics Club. (2016-20)
- Publicity Secretary & Volunteer, Satkhira Blood Bank, Satkhira. (2010-15)

REFERENCE

Name : Syed Rafi Sifath Palal
Organization : E LAB Bangladesh Ltd
Designation : Executive Director, Mechatronics Division
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