

# SAUMITRA SARKER

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## CAREER OBJECTIVE

To work as a research & development engineer in electronics and embedded sector, and grow rapidly with increasing responsibilities.

## ACADEMIC QUALIFICATIONS

**M.Sc. in Electrical and Electronic Engineering** (2021-2022),  
Khulna University of Engineering and Technology, Khulna. CGPA: Ongoing.

**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** (2010-14)  
Satkhira Govt. Polytechnic Institute (SPI),  
Satkhira, Bangladesh. CGPA: **3.22** out of 4.

## JOB EXPERIENCE

**Embedded Hardware Engineer-** (March 2020- present)  
CredoSense Ltd, Khilkhet, Dhaka, Bangladesh.

**Responsibilities:** Circuit Design and Simulation, Hardware Parts Selection, Prototyping, PCB & Firmware Development, Research & development, Troubleshooting.

**Intern Embedded Hardware Engineer.** (Nov 2020- Feb 2021)

**Responsibilities:** Circuit Design and Simulation, Hardware Parts Selection, Prototyping, PCB & Firmware Development, Research.

## KEY SKILLS

**Language:** Assembly, C, MATLAB, Python.  
**Modeling:** Simulink, PS-Pice, LTspice Cadence, Proteous.  
**Software:** Cisco Packet Tracer, Arduino, MS-Office.  
**OS:** Windows (XP, 7,10), Ubuntu.  
**Other:** E-CAD, Computer Networking, Router & Switch Configuration, PCB- Design, SMD Soldering, Prototyping, etc.

## ACHIEVEMENT

- Top 5% in 22<sup>nd</sup> Batch Base on Academic result and Extracurricular Activity.
- 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 1<sup>st</sup> – 3<sup>rd</sup> Semester)
- Six Times DIU SGPA Scholarship (above 3.80 out of 4).

## RESEARCH & PROJECT EXPERIENCES

- **Home Automation System.** (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

- Python Data Structures -7 Weeks, Coursera, 2020
- Programming for Everyone -7 Weeks, Coursera, 2020
- MATLAB Onramp, MathWorks, 2020
- Research Methodology, Cyber Security Center-DIU & IEEE Bangladesh Chapter,2019
- **Soft Skills Enhancements**-1 Month, DIU-VC Office, 19
- **Winning in the Work World** – 4 Months, Krempel Communication International, 2019
- Cyber Security Essential, 2019
- CCNA – 6 Months, DIU Cisco Network Academy,2018
- PLC and Embedded System -3 Months, The Web Earth IT, 2014
- Certification in Database Programming – 6 Months, BTEB,2014

## PERSONAL TRAITS

**Interpersonal Skills:** Analytical Ability, Communication, Quick Learner Time-Management, Leadership, Team-workability, Adaptability.

**Hobby:** Poetry Recitation, Developing Skills, Cooking.

## SEMINARS & WORKSHOPS

- Academic Research and Paper Writing from Scratch, Dept. of EEE, University of Dhaka(DU)-2017
- Basic Robotics, DIU Robotics Club, 2017
- Connecting Idea and Connecting the World, Rotaract Club of DIU,2017
- DIU Industry Academia Lecture, DIU, 2016

## EXTRA CURRICULAR ACTIVITIES

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

(References are available upon request)