

Md Sajol Hossain

Present Address: 9/9 Block H, Mirpur 2, Dhaka-1216

Mobile No: +880 1738 102491

Email: hmsajol.eee@gmail.com

LinkedIn: linkedin.com/in/msajolh

Career Objectives

To work in a fast-growing or multinational company to expand my learning, knowledge, and skills and for the company's growth.

Experience

NybSys Pvt Ltd, Dhaka, Bangladesh — *Jr. Embedded Electric Engineer*

June 2022 - PRESENT

- Electronic Circuit Design, PCB Layout Design for IoT. IoT Gateway, iG100, iG Extender.
- Digital Mobile Radio(DMR), Repeater, Base Set
- Cellular Mobile Technology LTE, 4G, 5G.

Website: nybsys.com

NybSys Pvt Ltd, Dhaka, Bangladesh — *Intern*

March 2022 - May 2022

- Electronic Circuit Design, PCB layout design, Sensor Testing. Smart Poultry Management System, Smart Battery Manufacturing Factory Monitoring.
- iG100 IoT gateway

Website: nybsys.com

IoT Innovation Lab, EEE, Islamic University, Bangladesh — *RA*

Jun 2019 - Feb 2022

- Infectious Patient Monitoring and Caring through IoT
- IoT Home Automation
- Solar Power management
- Smart Fridge System.

Technical Skills

- **Programming Languages:** C, C++, Python
- **Electrical Design Tools:** EAGLE, Altium, EasyEDA, Cadence Allegro.
- **IoT Protocol:** MQTT, MQTTS, Client(Mosquito)
- **Hardware:** Raspberry Pi 3, ESP32, iG100, NodeMCU, Arduino, various Sensors, etc.
- **Tools:** Github.
- **Operating System:** Windows(primary), Linux, Raspbian

Education

Islamic University, MSc in Electrical and Electronic Engineering.

Dec 2021 - Jul 2023

- Grade Point: 3.28 out of 4.00
- Major: Power Semiconductor Circuit and Devices, Artificial Intelligence and Neural Network.

Islamic University, BSc in Electrical and Electronic Engineering.

Jan 2016 - Nov 2021

- Grade Point: 3.35 out of 4.00
- Major: Electronics, Mobile and Wireless Communication, Industrial devices power and control. Numerical Analysis.

Workshop and Training

1. ESD, IoT & PCB Design Master Class Series - Pantech Prolabs India Pvt Ltd - Feb 2022
2. Internet of Things using NodeMCU- Pantech Solutions, June 2020
3. Embedded System and Robotics ICT Innovation Lab, IU BD Aug 2019
4. BRB cable industries ltd- Factory visit - May 2019

Honors and Awards

- Honors Program: 2016-2019
- Runner-up in Project Showcasing held on 21-23th February 2020 at Book, and Digital Innovation Fair, Islamic University
- Runner-up in Project Showcasing held on 14-16th, April 2018 at Digital Innovation Fair, Islamic University

Extracurricular Activities

- IEEE Islamic University Student Branch, Member, 2019 to present
- IUMUNA, Member, 2018 to 2020

Soft Skills

- Communication Skill, teamwork and leadership skill.
- Fluent in Bengali and professional proficiency in English.
- Event Organizing Skills.

Personal Information

Father's Name: Md Babul Hossain

NID: 4656337112

Mother's Name: Sukhee Begum

DoB: 10 Jul 1997

Permanent Address: Munshi Rd, Dariapur, Malay Nagar-7610, Sreepur, Magura.

Reference

Dr. Monjarul Alam, PhD

Professor, Dept of Electrical and Electronic Engineering, Islamic University