



MD HASANUZZAMAN CHOWDHURY JOY

Engineering Undergraduate

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Sylhet, Bangladesh

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ABOUT ME

A programming enthusiast student of BSc. in Electrical and Electronic Engineering (EEE). Love to explore the bits and bytes of modern technology. I try my best to fulfill any assigned task and also have the mentality to work under pressure.

STRENGTHS

Hard Working

Quick Learning

Passionate

Leadership

Patience

Positiveness

LEARNING

Artificial Intelligence

IoT

Data Science

Machine Learning

Web Development

Comsol

Laamps

Lumerical

PROGRAMMING

C

C++

HTML

CSS

Python

React

Lua

LANGUAGES

Bengali: Native

English: Fluent

Hindi: Basic

EXPERIENCE

President | RoboSUST

January 2021 – Present

Sylhet, Bangladesh

- Working as the President of the 6th EC of RoboSUST.
- Practicing Leadership.
- Leading many people in many projects.

Robotics Intern | Expert Consortium LTD

January 2020 – February 2020

Dhaka, Bangladesh

- Designed the structure of different types of Robot.
- Worked under pressure.
- Learned many things specially 3D Modeling.

Assistant General Secretary | RoboSUST

January 2020 – January 2021

Sylhet, Bangladesh

- Mentored almost 15 teams in Robotics.
- Enriched my leadership skill.
- Enriched my communication skill.

EDUCATION

BSc. Engineering (EEE) ,
Shahjalal University of Science and Technology

February 2018 – Current

Sylhet, Bangladesh

Higher Secondary Certificate ,
Notre Dame College

June 2015 – July 2017

Dhaka, Bangladesh

- GPA: 5.00

Secondary School Certificate ,
Ideal School and College

January 2013 – January 2015

Dhaka, Bangladesh

- GPA: 5.00

PROJECTS

- **3 Axis Robotic Hand**

📅 June 2018 – July 2018

- **Obstacle Avoiding Robot**

📅 August 2018 – August 2018

- **Line Follower Robot**

📅 August 2018 – August 2018

- **Room Temperature and Humidity Measurement Kit**

📅 September 2018 – September 2018

- **Air Purity Tester**

📅 October 2018 – October 2018

- **Modern Voltage Controller Using servo motor**

📅 January 2019 – January 2019

- **Muscle Wave Generator**

📅 February 2019 – February 2019

- **Farming Bot**

📅 July 2018 – July 2019

- **Buzz Wire Game**

📅 June 2019 – June 2019

- **Fighter Bot**

📅 January 2019 – March 2019

- **Blind Aid - A robotic stick to help the blind people**

📅 June 2019 – August 2019

- **Auto Irrigation System**

📅 June 2019 – August 2019

- **Buzz Wire Game**

📅 June 2019 – June 2019

- **Laser Tag Game**

📅 June 2019 – September 2019

ONGOING PROJECTS

Molecular Dynamics

📅 January 2019 – Current

- Completely Simulation based research.
- Finding out thermal conductivity of Gallium Nitrate (GaN).
- Observing the behaviour of GaN in different length, width, temperature and potential.

SPR based Biosensor

📅 January 2020 – Current

- Simulation based research.
- Building bio sensors using Surface Plasmon Resonance (SPR) theory.
- Using Photonic Crystal Fibre (PCF) as the main material.

AutoMAMA

📅 January 2020 – Current

- Building an Autonomous Vehicle.
- Funded by the University.

Covid-19 Disinfecting System

📅 January 2020 – Current

- Building a disinfecting system for deadly viruses like covid-19.
- Funded by the University.

Stock Market Analysis AI

📅 January 2022 – Current

- Building an AI that can predict the Ups and Downs of the stock market.

Brain Tumor Detection in Initial Phase with Artificial Intelligence

📅 January 2022 – Current

- Building an AI that can predict the brain tumor in initial phase using MRI Data.

Lip Reading AI

📅 February 2022 – Current

- Building an AI that can read lip language of cctv footage.
- This AI can be used for security purpose.