






# Mohammad Samiul Hasan


Enthusiastic, Mechanical Engineering Graduate

## Contact Information

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## Education

### B.Sc in Mechanical Engineering

Shahjalal University of Science and  
Technology, Sylhet

CGPA: 3.30 || 2017 - 2021

### Higher Secondary Certificate

Notre Dame College Mymensingh

GPA: 5.00 || 2014 - 2016

## Soft Skill

- Critical Thinking •
- Leadership •
- Problem Solving •
- Team Work •
- Time Management •

## Expertise

- Ansys •
- AutoCAD •
- Fusion 360 •
- MATLAB •
- MS Office •
- Octave •
- Python •
- Solidworks •

## Reference

**Md. Shafiqul Islam**

Assistant Professor

Dept. of MEE, SUST

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**Noushad Sojib**

Assistant Professor

Dept. of CSE, NEUB

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## Objective

To obtain a dynamic position that allows me to employ my technical and organizational skills to good use while also providing valuable experience in engineering and familiarity with well-known tools and techniques, which may assist me in developing my future professional endeavors.

## Industrial Training

### Industrial Trainee

Runner Automobiles LTD | December 2019 – January 2020

- Gained hands-on experience in assembling an engine.
- Learned about the manufacturing process of a motorbike from press to assembling and quality control.

## Leadership Experience

### Mechanical Engineer, Robotacist

Friday Lab, SUST | December 2017 – December 2020

- Designed parts for the robot and printed with 3D printer.
- Assembled the robot leg, hand. Worked with machine tools.

### Deputy Director of Robotics

RoboSUST | February 2020 – June 2021

- Managed a five week long workshop on Introduction to Robotics
- Took a session on "Introduction to Robotics" at the workshop.
- Helped to plan various webinars during the coronavirus pandemic.

### Product Management Associate

SUSTcast, a campus radio | March 2020 – August 2021

- Managed smooth operation of the station.
- Written sponsorship proposal for a sponsor.

## Project and Research

### Construction of a 3 DOF SCARA Manipulator with Multi-functional End Effector.

This is an academic project. In this project, I learned about Kinematics, Inverse kinematics math problems, how to implement them, Python programming.

### Arduino Based Line Follower Robot with PID Controller Mechanism.

Built a line follower with the most popular control mechanism, PID. I learned a lot of this during this project, such as teamwork, working under pressure, and dealing with failure.

### Design and Fatigue Analysis of a Reactor Pressure Vessel.

It was a freelancing Project. In this project, I designed the RPV in Solidworks, ran simulations in Ansys, and helped to write the report.

## Certification Courses

**Operations Management** || Platform: edX (Indian Institute of Management, Bangalore)

**Introduction to data analysis using Excel** || Platform: Coursera (Rice University)

**Supply Chain Principles** || Platform: Coursera (Georgia Institute of Technology)