

# MD SHAHED HOSSAIN SOHAN

Mechanical Engineer

## DETAILS

### Address

#### Permanent:

Ashurhat, Puijor (7720),  
Pangsha, Rajbari.

#### Present:

Shahid Smriti Hall, BUET,  
Dhaka-1000

### Phone 📞

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### Email ✉

[sohan.shahedhossain@gmail.com](mailto:sohan.shahedhossain@gmail.com)

### LinkedIn

<https://www.linkedin.com/in/md-shahed-hossain-sohan/>

## LANGUAGES

Bangla



English



Arabic



## MANAGEMENT

### SKILLS

#### Mess Manager

(December 2022 – January 2023)

Sher e Bangla Hall, BUET

## REFERENCES

Dr. Md. Ehsan

Professor, Department of  
Mechanical Engineering, BUET  
[ehsan@me.buet.ac.bd](mailto:ehsan@me.buet.ac.bd)

Dr. Md. Ashiqur Rahman

Professor, Department of  
Mechanical Engineering, BUET  
[ashiqurrahman@me.buet.ac.bd](mailto:ashiqurrahman@me.buet.ac.bd)

## EDUCATION

### BSc in Mechanical Engineering

Bangladesh University of Engineering and  
Technology,  
Dhaka - 1000, Bangladesh

#### Graduated

**CGPA:** 3.81/4.00  
March, 2018-May, 2023

### HSC

Notre Dame College  
Dhaka - 1000

**GPA:** 5.00/5.00

May, 2015-June, 2017

### SSC

Mrige High School  
Kalukhali, Rajbari

**GPA:** 5.00/5.00

January, 2013-January 2015

## TRAINING

### Industrial Training

Khulna 225 MW Combined Cycle PowerPlant  
Northwest Power Grid Company Limited, Khulna  
27 October 2022 – 15 November 2022

## TECHNICAL SKILLS

- **CAD Modeling:** AutoCAD, Solidworks
- **Analysis tools:** COMSOL Multiphysics, ANSYS, MATLAB, LAMMPS
- **Programming Languages:** C, Python, Arduino IDE
- **Office:** MS Word, MS Excel, MS PowerPoint.
- **Plotting tools:** Tecplot 360

## PROJECTS AND THESIS

- **Accident reduction system design**  
Gyroscope sensor-based driver's drowsiness detection system was developed.
- **Design and simulation of a Shell and Tube heat exchanger with helical baffles.**
- **Analysis of Mechanical Properties of Crumpled Graphene: A Molecular Dynamics Approach**

## OTHER CERTIFICATIONS

- Introduction to MATLAB, Coursera
- MATLAB Onramp, MathWorks
- Excel for Beginners, edX
- Python for Beginners, Coursera
- First Runner Up, Hult Prize, BUET – 2023
- Perfect Attendance, Notre Dame College, Dhaka