

## MD IFTEKHAR UDDIN SHOHAN



### Contact

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[Md Iftekhar Uddin Shohan](#)

### Personal Information

Date of Birth: 1 March, 1999

Gender: Male

Nationality: Bangladeshi

Marital Status: Unmarried

Religion: Islam

### Objective

As freshly graduated, my primary focus is to gather practical experience by utilizing theoretical knowledge gained through academics. I aspire to expand my learning, skills and contribute to the betterment of the company.

### Education

**Bachelor of Science in Mechanical Engineering** CGPA: **3.45** out of 4  
January 2017-March 2021  
Islamic University of Technology

**Higher Secondary Certificate** GPA: **5.00** out of 5  
Passing Year: 2016  
Abdul Kadir Mollah City College

**Secondary School Certificate** GPA: **5.00** out of 5  
Passing Year: 2014  
Brahmondi K.K.M. Govt. High School

### Industrial Attachments

- ❖ **Industrial Trainee:** Bangladesh Power Development Board, Rajshahi (04 Dec' 19 – 19 Dec' 19)  
Learned about different types of power plants & their working process through physical visits. Gained practical knowledge of the national grid system.
- ❖ **Industrial Visit:** Peoples Ceramic Industries Ltd. 05 Oct '17  
Became acquainted with the operations of production of different ceramic products.

### Achievements & Participations

- ❖ **Champion-** Battle of Speed of National Robotech Festival (NRF) 2017
- ❖ **2<sup>nd</sup> Runner up-** Bangladesh Mathematical Olympiad-2015 (Higher Secondary Category, District Level)
- ❖ Design and fabrication of a line follower robot (Arduino Day 2017)
- ❖ Design and fabrication of an arduino based LFR (Robo Carnival 2017)
- ❖ Semifinalist Intra IUT Table Tennis Competition-2021

### Extra-Curricular Activities

- ❖ **Affiliate Member-** IUT IMechE Student Chapter (2017-2020)
- ❖ **Affiliate Member-** IUT CAD Society (2019-2020)
- ❖ **Event Organizer** – Mecceleration (RoboRiot) (2017-2019)
- ❖ **Organizer-** Mecceleration (Logistics team'2017)

## *Soft Skills*

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- ❖ Quick Learning
- ❖ Teamwork
- ❖ Communication
- ❖ Problem Solving
- ❖ Work Ethic

## *Scholarship*

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- ❖ General Scholarship (PSC)
- ❖ General Scholarship (SSC)

## *Certification*

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- ❖ Excel Skills for Business:
  - Essentials

Platform: Coursera

## *Languages*

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- ❖ Bangla (Native)
- ❖ English (Fluent)

## *Software Skills*

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- ❖ SolidWorks
- ❖ Microsoft Office
- ❖ MATLAB
- ❖ Ansys®
- ❖ COMSOL
- ❖ Proteus

## *Powerplant Visits*

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- ❖ Barapukuria 525 MW Coal Fired Power Plant
- ❖ Baghabari 171 MW Gas Turbine Power Plant
- ❖ Katakali 50 MW Peaking Power Plant
- ❖ Amnura Grid Substation

## *Academic Projects*

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- ❖ Design and thermodynamic analysis of a thermal power plant.
- ❖ Designing and FE Analysis of a Jig.
- ❖ Automatic RPM counter of a rotating wheel using optical RPM sensor.
- ❖ Comprehensive market analysis and detailed business plan on Car Battery Production Company.

## *Research Works*

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- ❖ Experimental study on acoustic energy harvesting using single and double PZT film configuration in Helmholtz resonator. (B.Sc. thesis)
- ❖ Numerical Analysis of Waste Heat Recovery using CO<sub>2</sub> Based Trans-Critical Organic Rankine Cycle.
- ❖ Flow Analysis and Improvement of Marine Propeller.
- ❖ Numerical Analysis on Harvesting Vibration Energy from a Two Stock & Four Stock Engine.
- ❖ Technical paper on “Trans-critical CO<sub>2</sub> refrigeration cycle”.

## *References*

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- ❖ **Prof. Dr. Anayet Ullah Patwari**  
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