



# ZINIA SULTANA JOTI

Mechanical Engineer

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Tongi, Gazipur, Bangladesh.



## OBJECTIVE

To gain a dynamic career that enables me to apply my technical and organizational abilities to benefit, but also to provide valuable engineering experience and acquaintance with well-known tools and techniques that will assist me in my future professional aspirations.

## EDUCATION

2017 - 2021

*B. Sc. in Mechanical Engineering*

Shahjalal University of Science & Technology

CGPA: 3.31(out of 4.00)

2014 - 2016

*HSC (Science)*

Safiuddin Sarker Academy & College

GPA: 5.0(out of 5.0)

## EXPERIENCE

RoboSUST, SUST

Feb 2020 – Jun 2021

*Vice President of R & D*

- Handled 5 weeks workshop about "Introduction to Robotics".
- Guided 2 teams during the workshop.
- Arranged a workshop on Fusion 360 collaborating with Autodesk.

Black Brains

Jul 2020 – Aug 2020

*Virtual Intern*

- Boosted my communication skills, team management and interpersonal skills through different training sessions, challenging projects and tasks.

Energypac Ltd.

Dec 2019 – Jan 2020

*Industrial Trainee*

- Learned about different processes run in a heavy industry.
- Gained knowledge of operation and maintenance, procurement, planning, process control, material handling.

Mechnovation 2019

Sep 2019

*Coordinator of Depiction V2.0*

- Managed an inter university CAD competition

## EXPERTISE

CAD & CAE:

Graphics Design:

Programming:

Office:

Soft Skills:

Solidworks, Fusion 360, Abaqus, MATLAB

Adobe Photoshop, Adobe Illustrator

Python, GNU Octave

Excel, PowerPoint, Word etc.

Adaptability, Critical Thinking, Leadership, Team work, Decision making.

## PROJECTS

Dept. of MEE, SUST

Jan 2020 – Aug 2021

*Analysis of a Composite Laminated Plate: Lightning Strike Protection Effect and Damage Mechanism.*

Friday Lab,

RoboSUST, SUST

Sep 2018 – Dec 2019

*Bipedal Humanoid Walking Robot – "Lee".*

"Lee" is the first bipedal humanoid robot in Bangladesh, an upgraded version of "Ribo".

- Analyzed data from a number of users and implemented to have an increased conversational time.

Dept of MEE, SUST

Jul 2019 – Dec 2019

*Design & Development of Autonomous Fire Fighting Robot.*

- Designed the structure of the bot
- Operated drill machine, grinding machine and cut off saw for various parts
- Assembled the mechanical and electrical parts.

## CERTIFICATION COURSES

Jul 2021

*Excel Skills for Business: Intermediate I* (Coursera)

May 2021

*Introduction to Autodesk Fusion 360* (Autodesk)

Jun 2020

*Introduction to Programming Using MATLAB.* (Coursera)

May 2020

*Project Management Essentials Certified(PMEC)* (MSI)

## REFERENCE

*Noushad Sojib*

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