



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: 3.27(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

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

*Multifunctional Analysis of a Composite Laminated Plate:
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

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