



Md Naeem

Mechanical Engineer



Profile

Self-driven, quick starter, passionate learner with a curious mind who enjoys solving complex and challenging real-world problems. A dedicated and adaptable professional committed to continuous improvement and development.



Education

2024
↑
2019

B.Sc. in Mechanical Engineering

Bangladesh University of Engineering and Technology

CGPA: 3.66/4.00

Courses and Achievements:

- Mastered coursework in Thermodynamics, Fluid Mechanics, and Heat Transfer.
- Excelled in Machine Design and Analysis, including Computer-Aided Design (CAD).
- Acquired skills in Manufacturing Processes and Materials Engineering, including knowledge of machining, casting, and welding techniques.
- Participated in projects involving Robotics, and Automation.



Work experience

2023

Industrial Training

North West Power Generation Company Limited

- Created Ts diagram for Khulna 225MW Combined Cycle Power Plant, demonstrating strong thermodynamic understanding.
- Expertly aligned pumps during maintenance with laser tools, showcasing precision machinery skills.
- Resolved a non-starting fire pump issue, highlighting effective problem-solving and troubleshooting.



projects

2023

Design of a Double Pipe Heat Exchanger

- Designed and fabricated a double pipe heat exchanger.
- Calculated the design parameters by hand and using HTIRL. Performed a simulation using Ansys and SoliWorks.

2022

A Rock- Paper-Scissors Playing Hand Robot

- Created both Arduino and Python code using OpenCV library to detect the hand gesture.
- Assembled the robot with 6 servo motors and implemented the gesture recognition algorithm.



Contact



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Website

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Skills

- SolidWorks
- Python
- Word
- PowerPoint
- Excel
- AutoCAD
- Arduino
- Matlab
- Adaptability
- Teamwork
- Problem Solving



Languages

Bangla	Native
English	Fluent
Hindi	Basic



Certificates



Matlab Onramp

Getting started with the MATLAB language and environment.



Supervised Machine Learning: Regression and Classification

Build & train supervised machine learning models for prediction & binary classification tasks, including linear regression & logistic regression.