


Aditi Bhuteja

IIT JODHPUR | Mechanical Engineering
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EDUCATION

IIT JODHPUR

B.TECH IN MECHANICAL
ENGINEERING

Expected:2023

Current GPA:7.38

OUR LADY OF PILLAR CONVENT SCHOOL

HSC | CBSE

2019 |Jodhpur,Rajasthan


Percentage : 94%


SSC | CBSE

2017 | Jodhpur,Rajasthan

CGPA:10/10

LINKS

Github:// [aditi-bhuteja](#) 

LinkedIn:// [aditibhuteja](#) 

HackerRank:// [aditi-0211](#) 

Portfolio:// [Aditi Bhuteja](#) 

SKILLS

PROGRAMMING

•C++ • Python • C(Basic)

DEVELOPMENT

•HTML • CSS • ReactJS
• Javascript

OTHERS

• GitHub • Git • Krita(Animation)

SOFTWARES

•Solidworks •Matlab

COURSEWORK

UNDERGRADUATE

Fluid Mechanics

Mechanics of Solid

Introduction to Machine Learning

Data Structures and Algorithm

Thermodynamics

Structure of Material

Scientific Computation

Linear Algebra

Material Science

Manufacturing Processes

MOOC

•React-The complete Guide(Udemy)

PROJECTS

NOVEL SPRAY NOZZLE FOR AGRICULTURE* | IIT JODHPUR

July 2021 - Present | Guide - Prof. Sudipto Mukhopadhyay

- Research upon the already existing designs of nozzle spray used for agricultural purposes.
- Enhancing Nozzle Pressure and reducing spray drift in order to minimise the wastage of fertilizers and reduce crop destruction.
- Build new nozzle design and examine the various parameter like fluid flow, pressure and drift of fluid using GUI-based Software (**Ansys**)

E-COMMERCE WEBSITE | DEVELOPMENT | GITHUB

Self Project

- Designed a front-End Application of E-commerce Shopping Website
- Contains a separate login/register page for the customers to login and browse through the website
- Technologies: **HTML,CSS,JavaScript**

FEATURE SELECTION IN CLUSTERING PROBLEM | MACHINE LEARNING | GITHUB

Dec 2020 - Jan 2021 | Course Project

- Worked on a Machine Learning research paper as a part of Introduction to Machine Learning Course.
- Conducted experiments on clustering problem and simultaneously selecting the relevant feature using different models
- Proposed a technical update using Machine Learning Algorithms

SHOPPING CART | DEVELOPMENT | GITHUB

Self Project

- Designed a shopping cart for home interior decoration items
- Individual can add and remove the items from the cart and can see the total amount to be paid
- Technologies: **ReactJS,HTML,CSS**

ACHIEVEMENTS

- **Gold Level** on Hackerrank in **C++ and Problem Solving** (5 Star)
- Worked on Engineering Design Group Project funded by our institute in which we prepared Bio-plastics from Waste Banana Peels and our project was selected in **top 6 projects** for Engineer's Day,2020
- School Topper in 12th Grade, CBSE, 2019
- **Gold Medal** in Suncity Mathematics Olympiad among all HSC students from Jodhpur

EXTRA-CURRICULARS

- **CLASS REPRESENTATIVE**,2019 (Mechanical Engineering Batch) in first year
- **VOLUNTEER**,Public Relations Team,IGNUS'19
- **Member** of E-cell, IIT Jodhpur
- Competitive Coding: Practice and compete on various competitive coding websites like Hackerrank, Coding Ninjas
- Hobbies : Volleyball,sketching and painting.

* ONGOING