Aditi Bhuteja

IIT JODHPUR | Mechanical Engineering
bhuteja.1@iitj.ac.in | 9352333020 | PORTFOLIO ⇗

EDUCATION

IIT JODHPUR
B.Tech in Mechanical Engineering
Expected:2023
Current GPA:7.63

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 • React
• Javascript • SQL
• Bootstrap • ASP.NET
OTHERS
• GitHub • Git • Krita(Animation)
SOFTWARES
•Solidworks
•Matlab •Visual Studio

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)

EXPERIENCE

L&T INFOTECH | IIOT BU | Github ⇗
Software Development Internship | Dec 2021
- Built an authenticated Login and Registration Page
- Developed two different dashboards based on role(Field Operator and Subject Matter Expert), which consist of CRUD application like generating new request, assigning and deleting an existing request
- Technologies: **SQL, ASP.NET, React, Bootstrap**

PROJECTS

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

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**)

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
- **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