

Parul Jain

Pre-Final Year | Indian Institute Of Technology Jodhpur
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EDUCATION

IIT JODHPUR

B.TECH IN MECHANICAL
ENGINEERING

Expected 2022 | Jodhpur, India

CGPA: *8.13/10.0

*till 3rd semester

SBIOA PUBLIC SCHOOL

AISSCE | CBSE

April 2017 | Jaipur, India

Percentage: 94.6%

AISSE | CBSE

April 2015 | Jaipur, India

CGPA : 10.0/10.0

SKILLS

PROGRAMMING LANGUAGES

C++ • C • Javascript

DEVELOPMENT

React • Node.js • Express.js

HTML • CSS • Redux

FAMILIAR

Solidity • MATLAB • Python

OPERATING SYSTEM

Windows • Linux

UTILITIES AND TOOLS

GIT • MongoDB

Postman • NodeMCU

LINKS

Github: [jparul26](#)

LinkedIn: [Parul Jain](#)

Codechef: [Parul](#)

Hackerrank: [jain26](#)

LeetCode: [Parul](#)

COURSEWORK

RELEVANT COURSES

Linear Algebra and Calculus

Probability, Statistics and

Random Processes

Complex Analysis and Differential

Equations

Computer Programming

Basic Electronics Engineering

MOOC'S

Data Structures and Algorithms

Object-Oriented Analysis and

Design

PROJECTS

SMART IRRIGATION SYSTEM | B.TECH PROJECT

Jan 2020 - July 2020 | Guide : Dr.Ravindra Brammajyosula

- Designed an **Internet Of Things** based smart irrigation and Monitoring system using **ESP8266 NodeMCU** module, **Arduino uno** and moisture sensor
- Trained a mathematical model using **Logistic Regression** to process data received from sensors and rainfall prediction to minimize use of water
- Achieved a high testing accuracy of **82.7%** when tested on 20% of dataset

TARGET TRACK | HACKATHON PROJECT

May 2020 - Jun 2020 | [GitHub](#)

- Created a full-stack web application for easy and **efficient task management**
- Responsible for Implementing **UI mockups**, integrating third party React libraries and handling/creating **Redux** store data

TECHMATE | WEB DEVELOPMENT | INITIATIVE

March 2020 - June 2020 | [Deployed](#) | [GitHub](#)

- Developed a platform for female developers to collaborate on projects and discuss issues on inbuilt forum (**200+ registrations**)
- Aided the team to write backend in **NodeJS**, **ExpressJS** and **MongoDB** to provide RESTful API while **React-Redux** is used for client-side
- Applied **JWT middleware** to backend for authentication and used **Passport**, mail verification and **Facebook API** for security purpose

TRAFFIC ROAD SIGN CLASSIFICATION | SELF PROJECT

Oct 2019 - Nov 2019 | [GitHub](#)

- Implemented a **Convolutional Neural Network** architecture for the purpose of detecting and classifying traffic road signs using **TensorFlow** and **Keras**
- Achieved an accuracy of **96.5%** when tested on GTSRB Dataset

VOTE-CHAIN | MICROSOFT CODEFUND++ 2019

May 2019 - Aug 2019 | **Blockchain based web application** | [GitHub](#)

- Developed a decentralized e-voting web application based on **Solidity**, **React** and **Azure Blockchain Service** to reduce the cost of election
- Implemented secure remote voting and expedite vote counting mechanism using **MetaMask** and **Ethereum**

ACHIEVEMENTS

- Global Rank **55/11,000+** (Indian Rank 27) in division 2 of July 2019 Long Challenge contest of Codechef
- Batch Rank 1** and overall 2953 out of 3 lakh participants in InterviewBit
- Achieved a highest rating of **1942** (4 star) on Codechef
- Secured **3rd position** in Software hackathon Organised by IIT Jodhpur
- Placed among the top **0.5% of 1.4 million** applicants in JEE 2018
- Rank **162** in Data Structures and Algorithms Coding contest of Hackerearth

EXTRACURRICULAR

- Table Tennis Captain** | IIT Jodhpur | April 2019-Present
- Core Member** | **Carrer Development Cell** | April 2019-Present
- Represented IIT Jodhpur in Inter IIT Sports Meet 2018 held at IIT Guwahati