Tejal Kumari

FINAL YEAR | INDIAN INSTITUTE OF TECHNOLOGY, JODHPUR
+91 9967536581
kumari.14@iitj.ac.in

Hello, I am ambitious towards new technology and like solving puzzles. I am interested in web development and am competent in deep learning.

EDUCATION

IIT Jodhpur | (expected 2024)
- Undergraduate - Btech in Civil and Infrastructure Engineering
- CGPA: 7.58/10

(until 6th semester)

MNR School of Excellence | 2020
12th | CBSE
percentage: 91.4%

New Horizon Public School | 2018
10th | CBSE
percentage: 87.4%

SKILLS

Programming Languages
- Python - C++ - C - JavaScript

Development
- HTML - CSS - Express.js
- React.js - Node.js

Utilities and Tools
- GIT - MongoDB - Postman
- BootStrap

COURSEWORK

UNDERGRADUATE COURSES
Linear Algebra
Calculus
Introduction to Machine Learning
Introduction to Computer Science
Data Structures and Algorithms
Probability, Statistics and
Stochastic Processes
Signals and Systems
Deep Learning

LINKS

Github: xTEJALx
Portfolio: portfolio
LinkedIn: Tejal Kumari
InterviewBit: tejalk

HOBBIES

- **Swimming:** Sea swimming, Water Polo, Triathlon.
- Solving various types of **Rubik's cubes**
- **Crochet** - **Reading**

PROJECTS

QUANTUM MACHINE LEARNING CLASSIFIER
DESIGN CREDIT | GITHUB | DR. V. NARAYAN

- Implemented a **Quantum Convolution Neural Network** to perform classification using **TensorFlow Quantum** and **Cirq**.
- Achieved an accuracy of 96.7% when tested on Fashion **MNIST** dataset.

GOOGLE CLONE
SELF PROJECT | DEPLOYED LINK | GITHUB

- A fully functional and responsive Google Clone, coded with the aid of **Node.js**, **Express.js** and **React.js**.
- Created a modern UI with tailwindcss and used **Google Search API** to fetch data.

DYNAMIC TRAFFIC ASSIGNMENT VISUALIZER
DESIGN CREDIT | DEPLOYED LINK | GITHUB | DR. RANJU MOHAN

- Made a visualizer to depict flow of Indian multiclass traffic on a sample network with **HTML**, **CSS** and **Javascript**.

DIJKSTRA'S ALGORITHM VISUALIZER
SELF PROJECT | GITHUB

- Built a pathfinding visualizer based on the **Dijkstra's Algorithm** in python with the help of **Pygame**.
- Allows the user to set the positions of start and end point along with walls and displays all possible paths until the shortest path is reached.

TO-DO LIST
SELF PROJECT | DEPLOYED LINK | GITHUB

- Developed a complete To do list app which lets users add and delete items from the list.
- Deployed the App with a database on **MongoDB** Atlas.

EXTRA - CURRICULAR

ASSISTANT HEAD | TECHNICAL TEAM | PROMETEO'22
Annual technical and entrepreneurial fest of IIT Jodhpur

HEAD | DECORATION TEAM | YOUTH CONCLAVE'22
Annual technical event promoted by INAE

PARITICIPANT | 55th INTER-IIT SPORTS MEET'22
Participated and represented IITJ in athletics in the annual sports meet

ACHIEVEMENTS

INTER-IIT TECH MEET 10.0
Ranked 2nd among the 23 participating IITs in BOSCH high-prep problem statement based on model extraction.

IIT-JEE(JOINT ENTRANCE EXAMINATION) MAINS/ADVANCED
Amongst the top **2%** who qualified in JEE for IITs (2020).