

Tejal Kumari

PRE-FINAL YEAR | INDIAN INSTITUTE OF TECHNOLOGY, JODHPUR

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

EDUCATION

New Horizon Public School | 2018
10th | CBSE

percentage: 87.4%

MNR School of Excellence | 2020
12th | CBSE

percentage: 91.4%

IIT Jodhpur | (expected 2024)

- Undergraduate - Btech in Civil and Infrastructure Engineering
- CGPA: 7.74/10
(until 4th semester)

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 and Calculus

Introduction to Machine Learning

Introduction to Computer Science

Data Structures and Algorithms

Probability, Statistics and

Stochastic Processes

LINKS

Github: [xTEJALx](#)

Portfolio: [tejalk.github.io](#)

LinkedIn: [Tejal Kumari](#)

LeetCode: [xtejalx](#)

HOBBIES

▪ **Swimming:** Sea swimming, Water Polo, Triathlon.

▪ Solving various types of **Rubik's cubes**

▪ **Crochet** ▪ **Reading**

PROJECTS

QUANTUM MACHINE LEARNING CLASSIFIER

DESIGN CREDIT | [GITHUB](#)

- 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.

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**.

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 and the shortest path at last.

EXTRA - CURRICULAR

ASSISTANT HEAD | TECHNICAL TEAM | PROMETEO'22

Annual technical and entrepreneurial fest of IIT Jodhpur

SUPPORT TEAM | CDC | JAN 2022- JUN 2022

Career Development Cell, IIT Jodhpur

VOLUNTEER | PARTICIPANT | VARCHAS'22

Participated in athletics in annual sports fest of IIT Jodhpur

ACHIEVEMENTS

INTER-IIT TECH MEET 10.0

Ranked 2nd among the 23 participating IITs in BOSCH high-prep problem statement

IIT-JEE(JOINT ENTRANCE EXAMINATION) MAINS/ADVANCED

Among the top 0.2% who qualified in JEE for IITs (2020).