



# Karina Choudhary

Roll No.:B21CI022

B.Tech

Civil & Infrastructure Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CIE)	Indian Institute of Technology, Jodhpur	7.55 (till 6th sem)	2021-2025
Senior Secondary	RBSE Board	91.8%	2020
Secondary	RBSE Board	91.33%	2018

## EXPERIENCE

- Web Development intern** May 2024 - July 2024  
*Bolt IoT* Remote  
 – Developed the **Inventrom website**, a comprehensive platform for showcasing the company's products and services.  
 – **Technology used** : HTML,CSS,JavaScript. Website link

## PROJECTS

- Sorting Algorithm Visualizer** May. 2024  
*self project* Github-link/Website-link  
 – Developed an interactive web application to visualize various sorting algorithms, including Bubble Sort, Merge Sort, Quick Sort, and more. Utilized HTML, CSS, and JavaScript to create an engaging user interface. Enabled users to observe algorithm performance and behavior through dynamic animations and step-by-step execution..  
 – **Tools & technologies used**: HTML, CSS, JS, DSA
- Movie Recommended System** Jan. 2024  
*self project* Github-link  
 – A content-based recommender system that recommends movies similar to the movie the user likes and analyses the sentiments of the reviews given by the user.  
 – Based on the user input, it recommends similar movies to the user using machine learning.  
 – **Tools & technologies used**: Python, Machine learning, Pandas, NumPy, Scikit-learn
- Simple Calculator App** June 2023  
*self project* Github-link  
 – This project contains a basic functionality that will display the actual calculator app. This project will function same as the original calculator..  
 – it can be uses anytime if you want to solve any simple math problem..  
 – **Tools & technologies used**: Python, Tkinter

## KEY COURSES TAKEN

- Data Structure and Algorithms, Machine learning, Introduction to Computer Science, Mathematics I & II, Probability, Statistics & Stochastic Processes, Signals and Systems, AI-ML in Infrastructure

## TECHNICAL SKILLS

- Programming & Algorithms**: C/C++, Python, SQL, Data Structure and Algorithm, Machine learning, Competitive programming, Problem Solving
- Tools** : Qgis, Revit, AutoCAD, STAAD Pro., Jupyter Notebook, Google Colab, VS code, github, Microsoft Excel
- Libraries/Frameworks**: Pandas, Numpy, scikit-learn,
- Web Skills**: HTML/CSS/JavaScript

## ACHIEVEMENTS & CERTIFICATIONS

- Web Development** Training certificate link
- Solved 200+ DSA** problem link
- 2 Star** rating on codechef link
- Participate in 55th and 56th INTER IIT sports meet at IIT Roorkee and IIT Bombay.

## POSITIONS OF RESPONSIBILITY

- Assistant Head**, Varchas annual sports fest, IIT Jodhpur Nov 2022
- Core Member**, Volleyball girls team IITJ present
- Offline event management team member**, EDIFICIO IIT Jodhpur, annual fest of civil department Jun 2022
- Assistant Head**, Afftaab, Annual literature fest of IITJ Nov 2022