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Karina Choudhary

Roll No.:B21CI022
B.Tech
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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	91.8%	2020
Secondary	RBSE	91.33%	2018

Experience

- **Web Developer intern** *May 2024 - July 2024*
  Bolt IoT Inventrom Private Limited Remote
  – Developed the **Inventrom website** to better showcase company products and services. GitHub/WebLink
  – Created a **Responsive Photo Gallery** with adaptive design for seamless viewing across various devices, ensuring optimized user engagement. GitHub
  – **Technology used** : HTML, CSS, JavaScript, Web development.

Projects

- **Sorting Algorithm Visualizer** *May. 2024*
  self project GitHub/WebLink
  – 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.
  – Facilitated user understanding of algorithm performance and behavior through dynamic animations and interactive step-by-step execution.
  – **Tools & technologies used**: HTML, CSS, JavaScript, Data Structure & Algorithms.

- **Movie Recommended System using Machine Learning** *Jan. 2024*
  self project GitHub
  – Developed a content-based recommender system to recommend movies similar to the ones the user likes.
  – 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.

- **Perform Elastic Structural Analysis using the Direct Stiffness Method & Python** *Feb 2024 - April 2024*
  Course Project under Dr. P. Ravi Prakash sir
  – Developed a Python code for elastic structural analysis using the direct stiffness method.
  – The tool takes geometry and loading details as inputs to perform comprehensive structural evaluations.
  – **Tools & technologies used**: Python, STAAD Pro., Structural Analysis.

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, Data Analysis
- **Tools:** Qgis, Revit, AutoCAD, STAAD Pro., Jupyter Notebook, Google Colab, VS code, github, git, Excel
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn
- **Web Skills:** HTML, CSS, JavaScript

Achievements & Certifications

- **Web Development** Training certificate from Bolt Iot Inventrom Private Limited. *link*
- **Solved over 400 DSA** problems on various platforms and 2 star rating on Codechef. *link*
- **Solved over 150 SQL** problems on varios platforms.
- **Participated** 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*
- **Coordinator,** Volleyball girls team, IIT Jodhpur. *present*
- **Offline event management team member,** EDIFICIO annual fest of Civil department, IIT Jodhpur. *Jun 2022*
- **Assistant Head,** Afftaab annual literature fest, IIT Jodhpur. *Nov 2022*