DARSHAN DOBARIYA

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Education

Indian Institute of Technology, Hyderabad | CGPA: 8.88/10.00   *May 2023 (pursuing)*
Master of Technology in Artificial Intelligence & Machine Learning

V.V.P. Engineering College, Rajkot| CGPA: 9.56/10.00   *May 2021*
Bachelor of Engineering in Information Technology

Projects

Table to Text Generation using NLG
- **Thesis Project** - Guided By Dr. Maunendra Desarkar, Head of Dept. AI
- Currently doing research on **Text Generation from structured data** using the Transformer based generation framework.
- It ensures faithfulness between generated text description and original table.

Content-Aware Image Resizing
- Implemented a novel model to crop images without losing signifcant content in the image.
- It aims at **content-aware cropping** or **image retargeting** using a seam carving algorithm.

Bengaluru House Price Prediction
- A **Data Science** Project to predict Bengaluru's residential property price based on various features.
- Perform Data Cleaning, Feature Engineering, Outliers Removal, and One Hot Encoding as **Data Preprocessing**.
- With the help of **GridSearchCV** find the most suitable model and train the model using the suitable parameters.

File Zipper
- Designed an application for **Lossless Compression** of text files.
- Used **Huffman encoding and decoding algorithm** for effective compression and decompression of text files.

Skills

- **Programming:**   C, C++, Java, Python
- **Web Technologies:**   HTML, CSS, Bootstrap, JavaScript
- **Tools/Technologies:**   MySQL, Visual Studio Code, Jupyter Notebook, Git, Github, Firebase
- **Problem Solving:**   GFG practice, LeetCode, InterviewBit

Relevant Courses

- Data Structure and Algorithms (DSA)   • Operating Systems (OS)   • Database Management System (DBMS)
- Computer Networks (CN)   • Object-Oriented Programming (OOP)   • Foundation of Machine Learning (FoML)

Achievements and Leadership

- **Placement Coordinator** at Office of Carrier Service, IIT Hyderabad.
- Achieved a **98.15 percentile** among 1 lakh+ candidates in GATE CSE 2021.
- Institute **Rank under 10** among 1400+ participants in geeksforgeeks programming practice.
- **Rank 2** in the Dept. of **Artificial Intelligence's** M.Tech. Academic Coursework.
- **Teaching Assistant** for Data Structures & Applications || Dr. Maunendra Desarkar and Dr. Rameshwar Pratap.

Extracurricular

- Represented the college in **Smart City Hackathon** organized by **SSIP and Gujarat Knowledge Society.**
- Secured **2nd Rank** in Inter Zonal Event at YOUTH FESTIVAL "XITIJ 2017" Ahmedabad.
- Member of **Indian Society for Technical Education** (ISTE).