HARSHIT MUHAL

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EDUCATION

B.Tech , Computer Engineering	2018-2022	Delhi Technological University	96.0%(upto 4th sem)
XII (CBSE)	2017-2018	D.A.V Public School , sahibabad	93.6%
X (CBSE)	2015-2016	D.A.V Public School , sahibabad	95.0%

EXPERIENCE

- **GeeksforGeeks - Technical Content Writer**   **10 July 2020 - 10 Sept 2020**
  - Contributed new articles related to Data structures and algorithms.
  - Improved existing codes and articles.

ACADEMIC PROJECTS

IMAGE CAPTIONING :
- Generates captions for any real world image.
- Model is trained on Flickr8 dataset using LSTM, CNN.

HANDWRITTEN-DIGIT-IMAGE-GENERATION-USING-DCGAN:
- Used MNIST dataset for training a DCGAN to generate new handwritten digit images.

IMDB-REVIEW-SENTIMENT-ANALYSIS :
- Implemented a Deep CNN-LSTM with combined kernels from multiple branches for IMDb review sentiment analysis.
- Achieved 88.62% accuracy.

VISUAL-SIMILARITY-BASED-RECOMMENDATION-SYSTEM:
- Basic Recommender system that shows similar products based on their visual similarities.
- Used Transfer Learning to extract the image features and cosine similarity to calculate similarity between images.

TRAININGS / COURSE WORK

I. Advanced Data Structures And Algorithms in C++ :   **II. C++ Standard Template Library :**
Training from Coding Blocks [LINK]   Online course from Coding Blocks [LINK]

SKILLS

- **Languages :** C++, C , Python.
- **Operating System :** Windows , Mac OS X.
- **Libraries :** Numpy , Pandas , Keras , sklearn , matplotlib.
- **Other Skills :** Machine Learning , Deep Learning , Time Management , Team Leadership.
- **Hacker Rank Problem Solving (Basic) certification** : [LINK]

ACHIEVEMENTS

- HackRank - 6 star (Problem Solving).
- Department Rank 5 in 3rd Semester with 9.82 CGPA at DTU.
- Rank 6 in 2nd Semester with 9.9 CGPA at DTU.
- School Rank 2 in 16th SOF National Science Olympiad (2013-14) in Level 1.
- School Rank 3 in 9th SOF International Mathematics Olympiad (2015-16) in Level 1.

VOLUNTEER

- Worked as Mentor in association with AIMC(All India AI/ML Community) to help students in developing skills in AI/ML field. Mentored students in live projects.