Harshit Muhal

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EDUCATION

B.Tech, Computer Engineering | 96.0%
Delhi Technological University

2018 - Present

CBSE | Class XII | 93.6%
D.A.V Public School

2017 - 2018

CBSE | Class X | 10.0 CGPA
D.A.V Public School

2016 - 2017

WORK EXPERIENCE

Technical Content Writer
GeeksforGeeks

07/2020 - Present

- Contribute new articles related to Data structures and algorithms.
- Improve existing codes and articles.

COURSES

Advanced Data Structures And Algorithms in C++
Training from Coding Blocks

C++ Standard Template Library
Online course from Coding Blocks

Machine Learning Master Course
Online course from Coding Blocks

SKILLS

c++ | c | Python | Numpy | Pandas | Machine Learning | Deep Learning | Sklearn | Object - Oriented Programming | MacOS | Windows | HTML | CSS | NLP | Keras

LANGUAGES

English
Professional Working Proficiency

Hindi
Full Professional Proficiency

PERSONAL PROJECTS

IMAGE CAPTIONING :

- Generates captions for any real world image.
- Model is trained on Flickr8 dataset.
- For training, Images were encoded into a vector using the Resnet model pre-trained on imagenet dataset, Captions were encoded using LSTM layers and both the inputs were fed to a feed-forward Neural Network to train the model to predict new captions using supervised learning.

IMDB-REVIEW-SENTIMENT-ANALYSIS :

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

DOMINANT COLOR EXTRACTION USING K-MEANS :

- Used K-Means algorithm to find the most dominant colors of a given image and created a new image with these dominant colors.

HANDWRITTEN-DIGIT-IMAGE-GENERATION-USING-DCGAN:

- Used MNIST dataset for training a DCGAN to generate new handwritten digit images.
- Model was trained on google colab.

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.

CERTIFICATES

Hacker Rank Problem Solving (Basic)

ACHIEVEMENTS

- Hacker Rank - 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 3 in 9th SOF International Mathematics Olympiad (2015-16) in Level 1.
- School Rank 2 in 16th SOF National Science Olympiad (2013-14) in Level 1.

POSITION OF RESPONSIBILITY

Mentor | All India AI/ML Community (AIMC) | 09/2020 - Present
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.