https://github.com/Badri25

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EDUCATION

Course/Board	Institute	Specialization	Year of passing
Bachelor in Engineering	Vellore Institute of Technology ,Vellore	Computer Science Engineering	2023
12th	Delhi Public School, Faridabad	PCM	2019

Skills

Programming languages:
MATLAB*,R*,Java,Python,C++,SQL,Neo4j

Libraries / Frameworks:
TensorFlow, openCV,Keras

(* : Elementary proficiency)

Projects

Bundesliga Data Shootout on Kaggle-Identify plays based on Video footage | April 2023
- Developed a Computer Vision model to classify events like passes,throw-ins using **YOLOv7**.
- Used **CSPDenseNet** with **SPP** block to mitigate duplicacy in gradient information.
- Used a **RepConv** net instead of a ResNet to decrease input memory allocation.
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Image Captioning | March 2023
- Programmed Image Caption Generator using **Flickr8k** Dataset and **glove.6B.50d** word embeddings via Kaggle.
- Utilized transfer learning to initialize image vectors using ResNet50 model architecture with ImageNet weights.
- • Generated caption with data generator combining image vector and **LSTM** model with Keras Functional API.
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Image to Recipe Translation | August 2022
- This project deals with the problem of automated recognition of a photographed cooking dish and the subsequent output of the appropriate recipe.
- The task of object recognition or cooking court recognition is done using **CNN**.
- The search of the nearest neighbor of the input image is done using **KNN**.
- The combination of both helps to find the correct recipe,as the top-n categories of the CNN are compared to the next neighbor category.

SMS Spam Filtering Using Naïve bayes | Oct 2022
- Built a model that can accurately differentiate spam messages from ham ones.
- A very good classification performance is seen using a word-position-based variant of **Naive Bayes.**

Other Interests and Achievements

- Solved over 200 DSA questions on Leetcode ,4 star in DSA, C++ at HackerRank
- Keen interest in Image Processing and Cyber Security.
- Attended Deep Learning Winter school (Jan '23-March '23) held by **Indian Statistical Institute, Kolkata.**
- Attended a 7-day football data analytics workshop using Python.

Relevant links

Leetcode: https://leetcode.com/Yeezus249/
LinkedIn: https://www.linkedin.com/in/galla-badrinath-3a77721a5/