https://github.com/Badri25

Galla Badrinath badrinathgalla249@gmail.com +91 9654578112

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.

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.

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.

Coursework
- Artificial Intelligence
- Machine Learning
- Digital Logic and Design
- Optimisation Techniques
- Compiler Design

- Design and Analysis of Algorithm
- Data Structures
- Operating Systems
- Computer Networks Computer Organisation
- Architecture

- Image Processing
- Theory of Computation
- Blockchain
- Applied Linear Algebra
- Network Programming

Relevant links

Github: https://github.com/Badri25
LinkedIn: https://www.linkedin.com/in/galla-badrinath-3a77721a5/
Leetcode: https://leetcode.com/Yeezus249/