Nithya Shri S K

Computer Science and Engineering student

CONTACT

Phone: 7603819224
Email: sknithyashri07@gmail.com

Address:
4/107,viruthanur(vill),periyampatti(po),,
karimangalam(tk),Dharmapuri(dt).

EDUCATION

Bannari Amman Institute of Technology

Bachelor of Engineering in Computer Science and Engineering

- CGPA:8.27
- Member of AI workforce

PROFILE

LinkedIn

https://www.linkedin.com/in/nithya-shri-s-k-670531353/

Github

https://github.com/NithyaShriSK?tab=repositories

Leetcode

https://leetcode.com/u/nithyashrisk/

Hackerrank

https://www.hackerrank.com/dashboard

Codechef

https://www.codechef.com/users/nithya_25_2007

LANGUAGE KNOWN

English- (R/W/S)

Tamil - (R/W/S)

ACHIEVEMENTS

- Solved 230+ problems on LeetCode, strengthening data structures and algorithms proficiency.
- Solved 200+ problems on CodeChef, improving competitive programming and problem-solving skills.
- Earned Gold Badges in C and Python on HackerRank for consistent coding excellence.

PROJECTS

Image-to-CSV Text Extraction using OCR

- Developed a Python-based application that extracts printed text from images and converts it into a structured CSV file.
- Utilized Optical Character Recognition (OCR) techniques with libraries like PaddleOCR and OpenCV for accurate text detection and data extraction.
- Implemented preprocessing steps such as noise reduction, grayscale conversion, and thresholding to enhance OCR accuracy.
- Designed automated CSV export functionality for seamless data handling and analysis.

Sentiment Analysis using NLP

- Built a Python-based model that analyzes input text and classifies sentiment as Positive, Negative, or Neutral.
- Utilized Natural Language Processing (NLP) techniques with libraries such as NLTK and Transformers for text preprocessing and classification.
- Implemented tokenization, stop-word removal, and lemmatization to enhance model accuracy.
- Designed a simple user interface for real-time sentiment prediction.
- Demonstrated skills in machine learning, text analytics, and Python development.

Text Generation using GPT-2

- Developed a text generation model using OpenAI's GPT-2 to predict and generate coherent text based on user input.
- Implemented the project using Hugging Face Transformers and PyTorch, showcasing practical knowledge of deep learning and NLP.
- Built an interactive interface for users to input text prompts and view generated continuations.
- Demonstrated strong skills in language modeling, deep learning, and text generation.

Student Identification using YOLOv8s and DeepFace

- Developed a real-time person detection and face recognition system using YOLOv8s and DeepFace frameworks.
- Designed the model to identify students via webcam and display their registration number based on facial recognition.
- Trained the model on a custom dataset for improved detection accuracy and recognition performance.
- Integrated OpenCV for video streaming and frame processing to achieve smooth real-time detection.
- Demonstrated expertise in computer vision, deep learning, and custom dataset training.

DECLARATION

- I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief. All the mentioned project works and source codes are available on my GitHub profile.
- GitHub: https://github.com/NithyaShriSK

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Date:11/10/25