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PROJECTS

DRWABLE-BASED SECURITY SYSTEM.

June 2023–Present

[GitHubLink](#)

- Built a user-friendly Flask web application for image similarity comparison, providing a seamless and intuitive interface for users to interact with.
- Integrated ResNet50 with pre-trained weights for feature extraction. Implemented real-time image similarity calculation and display for instant feedback.

FACE MASK DETECTION.

November 2022–2022

[GitHubLink](#)

- Developed a real-time project that utilizes webcam feed to detect whether a person is wearing a mask or not.
- Trained the model using a CNN-based architecture (VGG16) to achieve a high accuracy rate of 95%. Additionally, implemented the Haar-cascade method to accurately detect the face of the person in the video stream.
- Deployed the trained mask detection model on a website using Flask, with an API route. Utilized OpenCV for efficient image pre-processing and real-time mask detection.

IMAGE CAPTIONS GENERATOR

Jan 2023-2023

[GithubLink](#)

- Developed image captioning tool utilized a pre-trained model from Hugging face to generate single and multiple captions.
- Created a user-friendly interface using flask to enable user to upload image and generate caption.

EDUCATIONS

LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Punjab

Bachelor of technology in Computer science and Engineering (concentration: AI and ML),
Honor's: (GPA: 7.53/10.0)

May 2020-2024

SKILLS

- Proficient in Programming languages: -Python, java, NodeJS.
- Frameworks: - Express.js, Scikit-learn, TensorFlow, NumPy, Pandas, Flask, Django.
- Database: -MySQL, MongoDB
- Tools: Git, GitHub

CERTIFICATIONS

- Introduction to Machine learning by Intern Shala *August 2022- November 2022*
- Deep Learning Specialization by Andrew Ng *November 2022-January 2023*