UMAIR KHAN

umairh1819@gmail.com

EDUCATION

BACHELOR OF TECHNOLOGY | COMPUTER SCIENCE AND ENGINEERING

Kamla Nehru Institute of Physical and Social science

2020 | expected July 2024

LINKS

Portfolio website: https://umairrrkhan.github.io/umair.github.io/
Linkedin: https://www.linkedin.com/in/umair-khan-a5348a202
Github: https://github.com/umairrrkhan

SKILLS

LANGUAGES

- Python
- Java
- JavaScript
- HTML / CSS

FRAMEWORK

- ReactJS
- NodeJS

DATABASE

- MongoDB
- SQL

TOOLS

- Git
- PyTorch
- Tableau/Excel
- TensorFlow
- Open Cv
- Scikit-Learn

SOFT SKILL

- Teamwork
- Creativity
- Communication
- Analytical Thinking

EXPERIENCE

FRONTEND DEVELOPER INTERN | FARID INSTITUTE

9-2022 | 12- 2022

- Refactored existing frontend code to improve performance, readability, or maintainability.
- Created new pages using HTML/CSS and JavaScript.
- Used ReactJS to create dynamic and responsive user interfaces.
- Improved the user experience of the web application.

PROJECT

SPEECH-EMOTION-RECOGNITION

- Mastery of Python, TensorFlow, and PyTorch resulted in a high-precision model, significantly enhancing the accuracy of emotion classification in audio data.
- Implemented the model in real-world applications, elevating customer service interactions and emotional well-being solutions to new heights, ultimately impacting user satisfaction and decision-making processes.
- Developed a Speech Emotion Recognition system using machine learning and NLP techniques.

ANIME FACE GENERATION USING DCGAN

- Elevated the world of digital art and entertainment by applying the DCGAN model to create unique anime avatars, characters, and scenes, contributing to the growing influence of AI in the creative industry.
- Demonstrated mastery of deep learning frameworks, including TensorFlow and PyTorch, while leveraging cutting-edge image generation techniques to produce highly detailed and aesthetically pleasing anime characters.
- Pioneered the development of an advanced Deep Convolutional Generative Adversarial Network (DCGAN) model to generate stunning and lifelike anime faces, pushing the boundaries of generative art and AI creativity.

CROP-MULTIPLE-IMAGES-IN-ONE-CLICK

- Time-saving tool: With this Python script, users can save a significant amount of time by cropping multiple images at once instead of manually cropping each image individually.
- Customizable options: The script offers flexibility in terms of the directory location and crop height, allowing users to customize the cropping process according to their specific needs.
- A Python script for cropping multiple images at once using the Pillow library.
- Users can specify a directory and desired crop height for the images they wish to crop.

PLAYING-CHROME-DINO-WITH-HAND-SIGNALS

- Innovated a unique and interactive approach to control the popular Chrome Dino game using hand signals, merging computer vision and gaming for an immersive experience.
- Leveraged computer vision technologies, such as OpenCV and gesture recognition algorithms, to enable players to control the game seamlessly through intuitive hand gestures.
- Transformed traditional gaming by introducing a novel way to play, enhancing accessibility for diverse audiences and showcasing the potential of gesture-based interaction in the gaming industry.