AHMED SANA

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OBJECTIVE

Experienced A.I. Engineer with proven expertise in designing, developing, and deploying Artificial Intelligence and Computer Vision solutions that enhance efficiency, accuracy, and user experience. Seeking a challenging role in a high-caliber engineering environment to drive innovation and excellence.

EDUCATION

MS Electrical Engineer (AI and Autonomous System) , NUST CEME — Expected 2024

Relevant Coursework: Paradigms of A.I, Computer Vision, Machine Learning, and Artificial Neural Networks .

Bachelors in Electrical Engineer , UET Lahore — 2017 - 2021

SKILLS

Technical Skills Artificial Intelligence, Deep Learning, Neural Networks, CNN, Machine Learning Computer Vision, Image Generation, Data Analysis, Data Visualization, Keras Tensorflow,NumPy, Pandas , OpenCv , Matplotlib, Python , C Language, Matlab

PROJECTS

Brain Decoding .

- Decoding brain signals to reconstruct visual experiences as images using EEG data. Generating visuals based on brain activity patterns.

Image Generation using Diffusion Model .

- Trained and Generated Class images using a latent diffusion model.
- https://github.com/AHMEDSANA/Stable-Diffusion.git

Face Mask Detection using Yolo v3 .

- Developed a face mask detection system using Yolov3, capable of determining whether an individual is wearing a mask in both recorded and live video streams. .

Driver Drowsiness Detection .

- Developed a Driver Drowsiness Detection system utilizing face detection and Convolutional Neural Networks to identify signs of drowsiness in drivers and alert them accordingly. .
- https://github.com/AHMEDSANA/Drowsiness-Detection.git .

Detection of an unhealthy brain using A.I .

- Developed and implemented a brain tumor detection, classification, and segmentation system utilizing UNET and Convolutional Neural Networks, powered by Artificial Intelligence. .
- https://github.com/AHMEDSANA/Binary-class-Brain-Tumor-classification..git
- https://github.com/AHMEDSANA/Binary-Class-Brain-Tumor-Segmentation-Using-UNET.git
- https://github.com/AHMEDSANA/Four-class-Brain-tumor-segmentation..git

CERTIFICATES

- Scientific computing with Python (Profile freeCodeCamp.org)
- Machine learning with python (Profile freeCodeCamp.org)
- Data Analysis with Python (Profile freeCodeCamp.org)