



CHANDAN THAKUR

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PROJECTS:

Motion Detector

Detects motion in a video feed. If said motion is large enough, and recent enough, reports that there is motion! OpenCV is used to calculate absolute frame against the most recent saved frame and the current frame. The webcam feed is used as a continuous video source Project

Tools Used : OpenCV, Python 3

Face Detection in Video

This Project is done with the help of MTCNN model

With the **help OpenCV this project can detect** eyes, nose and mouth.

Tools Used : Google Colab, OpenCV, Tensorflow, Keras, MTCNN model, Python Programming.

Pneumonia Detection

This project is done using transfer learning with the help of pretrained VGG16 model to classify Chest_Xray into Pneumonia or Normal.

To reduce training time AMP is being used in this model. Tools Used : Google Colab, VGG16, TensorFlow, Keras, numpy, matplotlib, TensorRT

ACTIVITY

Model Training and inferencing TensorRT on NVIDIA docker.

Trained model on NVIDIA Tesla T4 and P4 GPUs. Worked on Jetson Nano.

Done Project on 'Multimedia content security using Dual Level Encryption' with java programming.

Attended workshop on RedHat Linux.

SKILLS

Deep Learning(DL)	Tensorflow
OpenCV	Machine Learning
Numpy	Pandas
Matplotlib	Python
Core Java	MySQL

EDUATION

- ✓ B.E Graduate in Computer Engineering, from Datta Meghe College of Engineering
- ✓ Completed Diploma in Computer Technology from S. H. Jondhale Politechnic
- ✓ SSC Passed out from Sister Nivedita English High School