

Train Dataloader - 176

Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D

Key Frame Extraction - True

Key Frame Extraction Algorithm - Optical_Flow

Feature Extraction - False

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - False

Window Length = 8

Stride = 1

Fair Comparison = True

Dropout = 0.25

Learning Rate = 0.0002

Num Epochs = 20

Chunk Size = 64

Forward Chunk Size = 8

Loss Fn = BCELoss()

Training has Begun

epoch [1/20], loss:0.6931

epoch [2/20], loss:0.6931

epoch [3/20], loss:0.6931

epoch [4/20], loss:0.6931

epoch [5/20], loss:0.6931

epoch [6/20], loss:0.6931

epoch [7/20], loss:0.6931

epoch [8/20], loss:0.6931

epoch [9/20], loss:0.6931

epoch [10/20], loss:0.6931

epoch [11/20], loss:0.6931

epoch [12/20], loss:0.6931

epoch [13/20], loss:0.6931

epoch [14/20], loss:0.6931

epoch [15/20], loss:0.6931

epoch [16/20], loss:0.6931

epoch [17/20], loss:0.6931

epoch [18/20], loss:0.6931

epoch [19/20], loss:0.6931

epoch [20/20], loss:0.6931

Training has Completed

Forward pass occuring

Forward pass completed

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c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:478: Runtime
Warning: invalid value encountered in scalar divide
    std_Precision = std_tp / (std_tp + std_fp)
c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:513: Runtime
Warning: invalid value encountered in scalar divide
    Precision = tp / (tp + fp)
```

STD Global Classification Results

TPR 0.000, FPR 0.000, Precision nan, Recall 0.000
tn 23575, fp 0, fn 1162, tp 0
std_AUROC 0.500

Mean Global Classification Results

TPR 0.000, FPR 0.000, Precision nan, Recall 0.000
tn 23575, fp 0, fn 1162, tp 0
mean_AUROC 0.500

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c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:
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[illegible]


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[illegible]

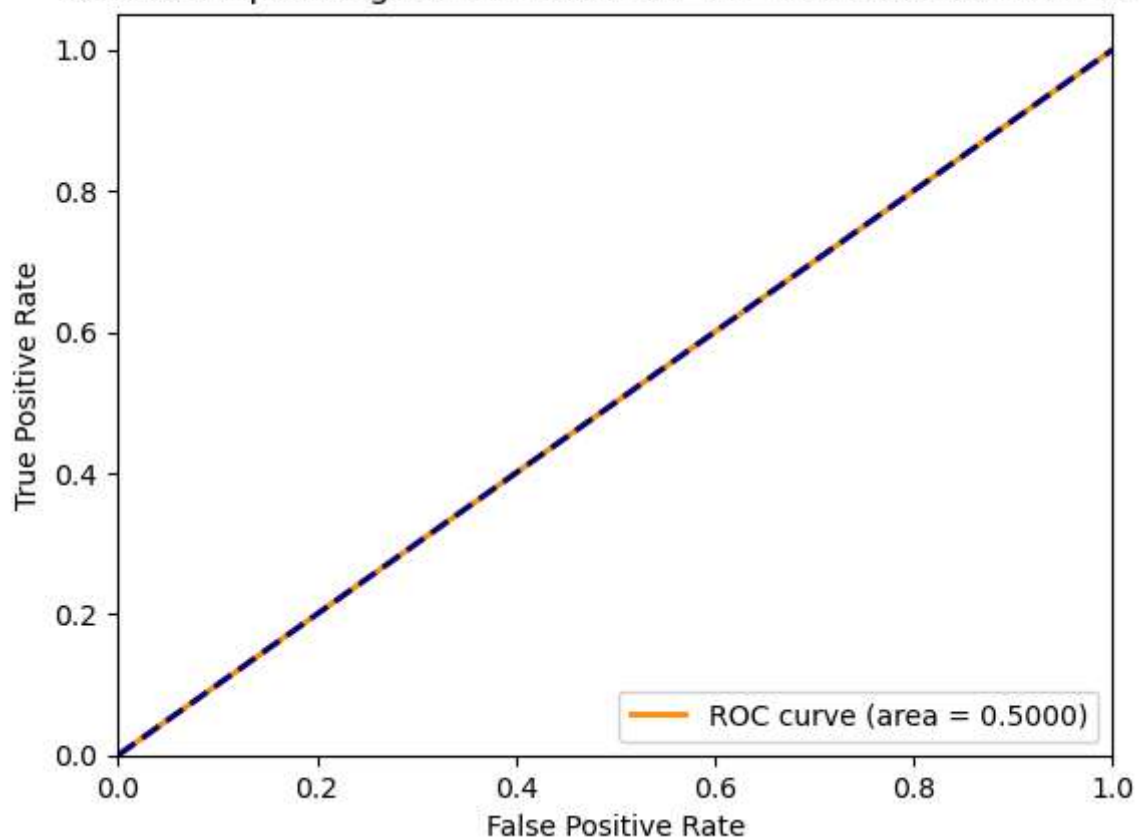
[illegible]

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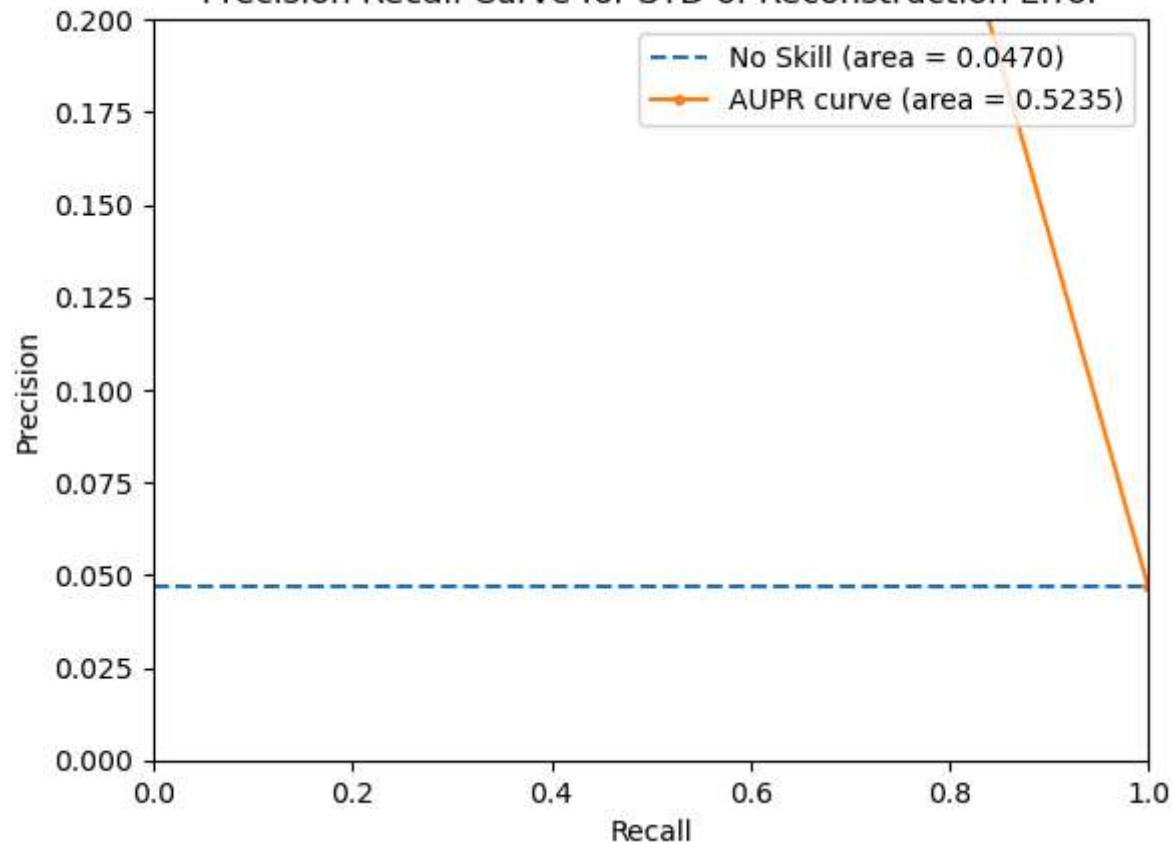
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c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:302: Runtime
Warning: Mean of empty slice
    final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance acro
ss all videos
c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:18
72: RuntimeWarning: Degrees of freedom <= 0 for slice.
    var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,

```

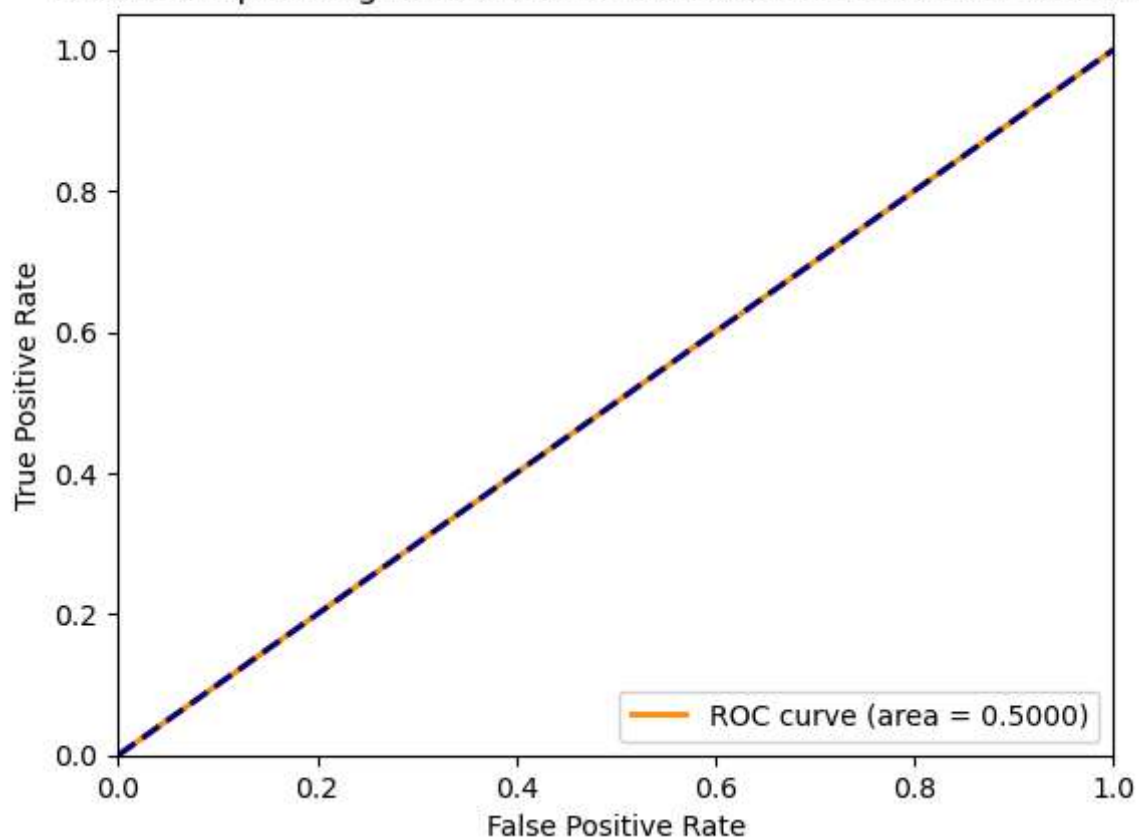
Receiver Operating Characteristic for STD of Reconstruction Error



Precision Recall Curve for STD of Reconstruction Error



Receiver Operating Characteristic for Mean of Reconstruction Error



Precision Recall Curve for Mean of Reconstruction Error

