

Train Dataloader - 176

Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D

Key Frame Extraction - True

Key Frame Extraction Algorithm - BG_Subtraction

Feature Extraction - True

Background Subtraction - True

Background Subtraction Algorithm - GMG

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - True

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:0.5067

epoch [2/20], loss:0.0872

epoch [3/20], loss:0.0867

epoch [4/20], loss:0.0867

epoch [5/20], loss:0.0867

epoch [6/20], loss:0.0867

epoch [7/20], loss:0.0867

epoch [8/20], loss:0.0866

epoch [9/20], loss:0.0866

epoch [10/20], loss:0.0866

epoch [11/20], loss:0.0866

epoch [12/20], loss:0.0866

epoch [13/20], loss:0.0866

epoch [14/20], loss:0.0866

epoch [15/20], loss:0.0866

epoch [16/20], loss:0.0866

epoch [17/20], loss:0.0866

epoch [18/20], loss:0.0866

epoch [19/20], loss:0.0866

epoch [20/20], loss:0.0866

Training has Completed

Forward pass occurring

Forward pass completed

ONI_IR_T_2024-04-27-13-30-39

STD Global Classification Results

TPR 1.000, FPR 0.000, Precision 1.000, Recall 1.000

tn 3768, fp 0, fn 0, tp 434

std_AUROC 1.000

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Mean Global Classification Results  
TPR 0.770, FPR 0.001, Precision 0.985, Recall 0.770  
tn 3763, fp 5, fn 100, tp 334  
mean_AUROC 0.884  
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[illegible]

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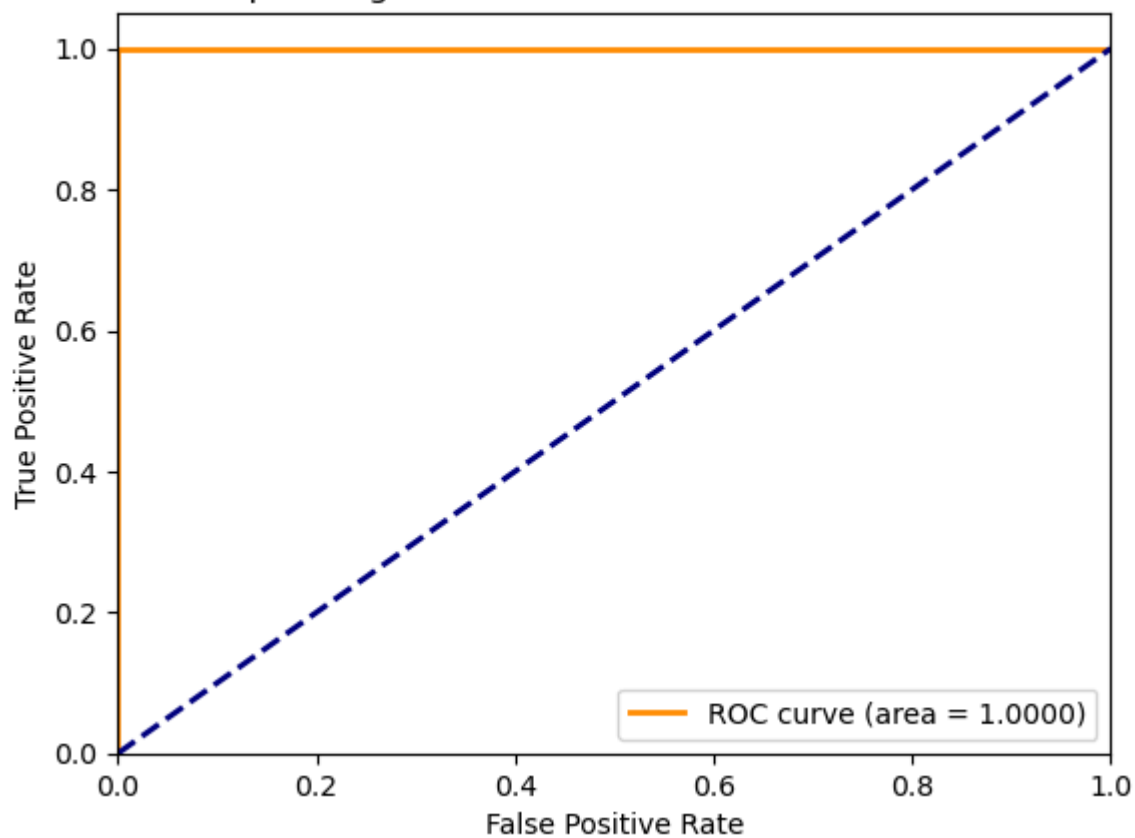
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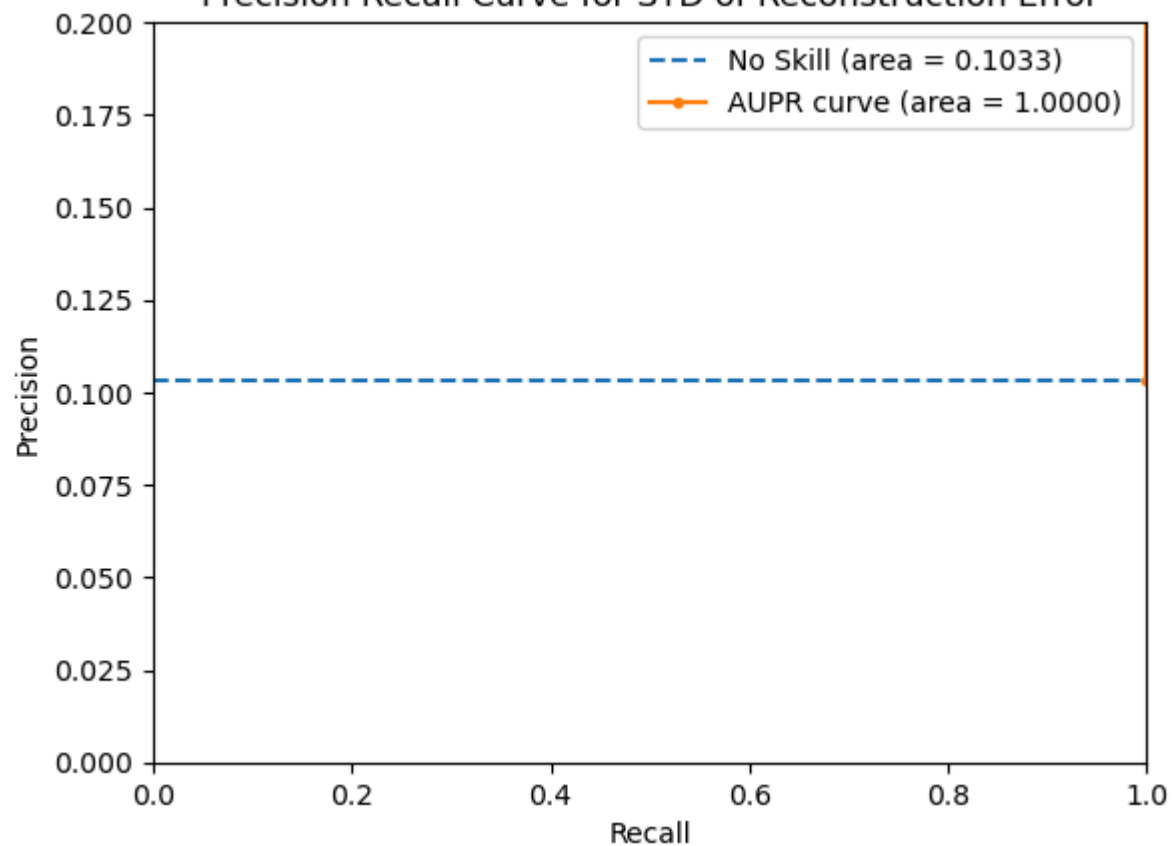

[illegible]

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d:\Abdul Rasheed NITT\Academics\Eighth Semester\FYP\Implementation\FallDetection\Code\functions.py:302: RuntimeWarning: Mean of empty slice
    final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance across all videos
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.
    var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
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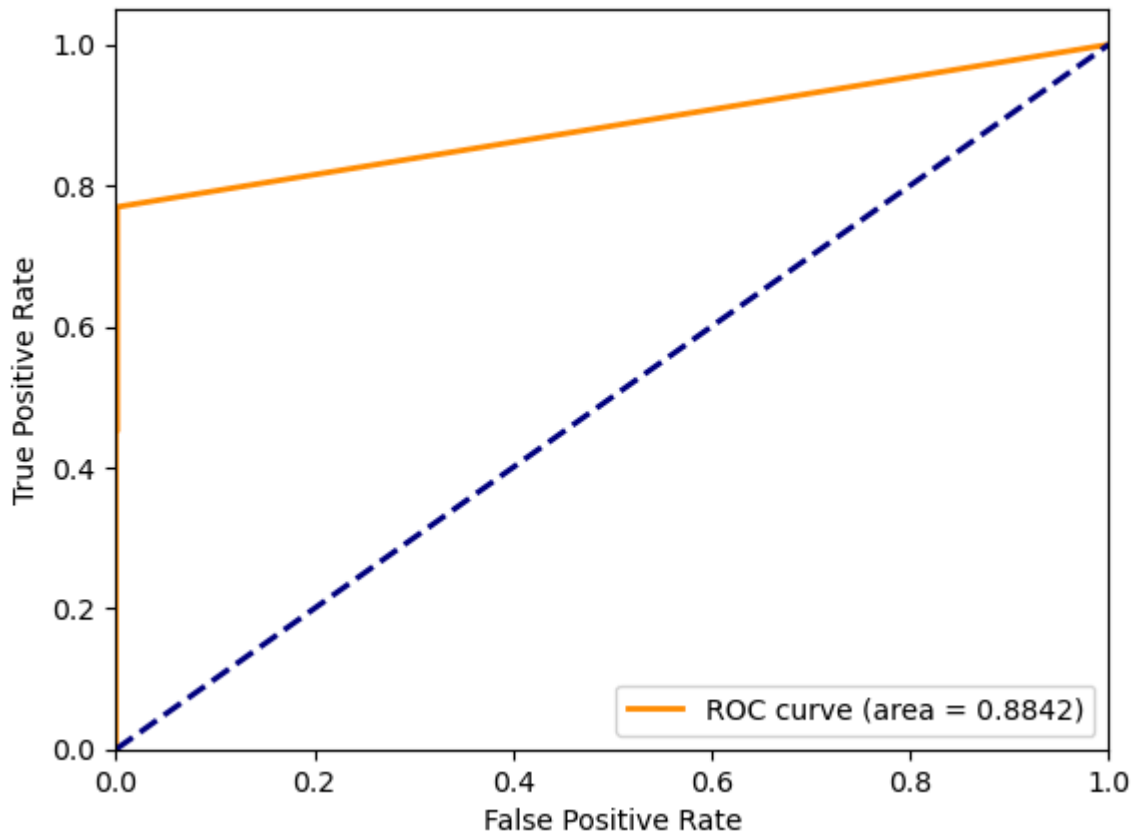
Receiver Operating Characteristic for STD of Reconstruction Error



Precision Recall Curve for STD of Reconstruction Error



Receiver Operating Characteristic for Mean of Reconstruction Error



Precision Recall Curve for Mean of Reconstruction Error

