

Train Dataloader - 58

Test Dataloader - 182

Device Used - cuda

Model Used - Base_3DCAE_2

Key Frame Extraction - False

Feature Extraction - True

Background Subtraction - True

Background Subtraction Algorithm - GMG

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 = L1Loss()

Training has Begun

epoch [1/20], loss:0.0002

epoch [2/20], loss:0.0002

epoch [3/20], loss:0.0001

epoch [4/20], loss:0.0001

epoch [5/20], loss:0.0001

epoch [6/20], loss:0.0001

epoch [7/20], loss:0.0001

epoch [8/20], loss:0.0000

epoch [9/20], loss:0.0001

epoch [10/20], loss:0.0000

epoch [11/20], loss:0.0000

epoch [12/20], loss:0.0000

epoch [13/20], loss:0.0000

epoch [14/20], loss:0.0000

epoch [15/20], loss:0.0001

epoch [16/20], loss:0.0000

epoch [17/20], loss:0.0000

epoch [18/20], loss:0.0001

epoch [19/20], loss:0.0000

epoch [20/20], loss:0.0000

Training has Completed

Forward pass occurring

Forward pass completed

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STD Global Classification Results

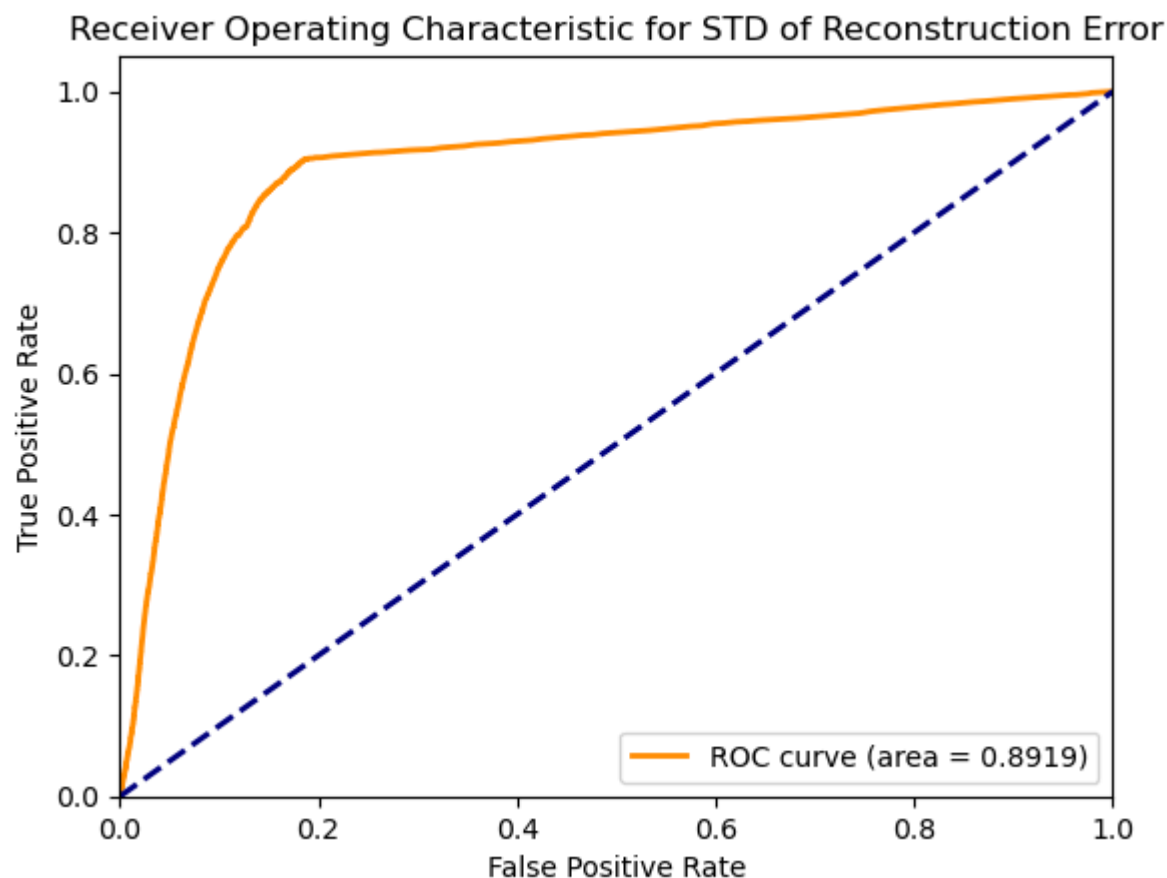
TPR 0.903, FPR 0.185, Precision 0.044, Recall 0.903

tn 565019, fp 128580, fn 638, tp 5963

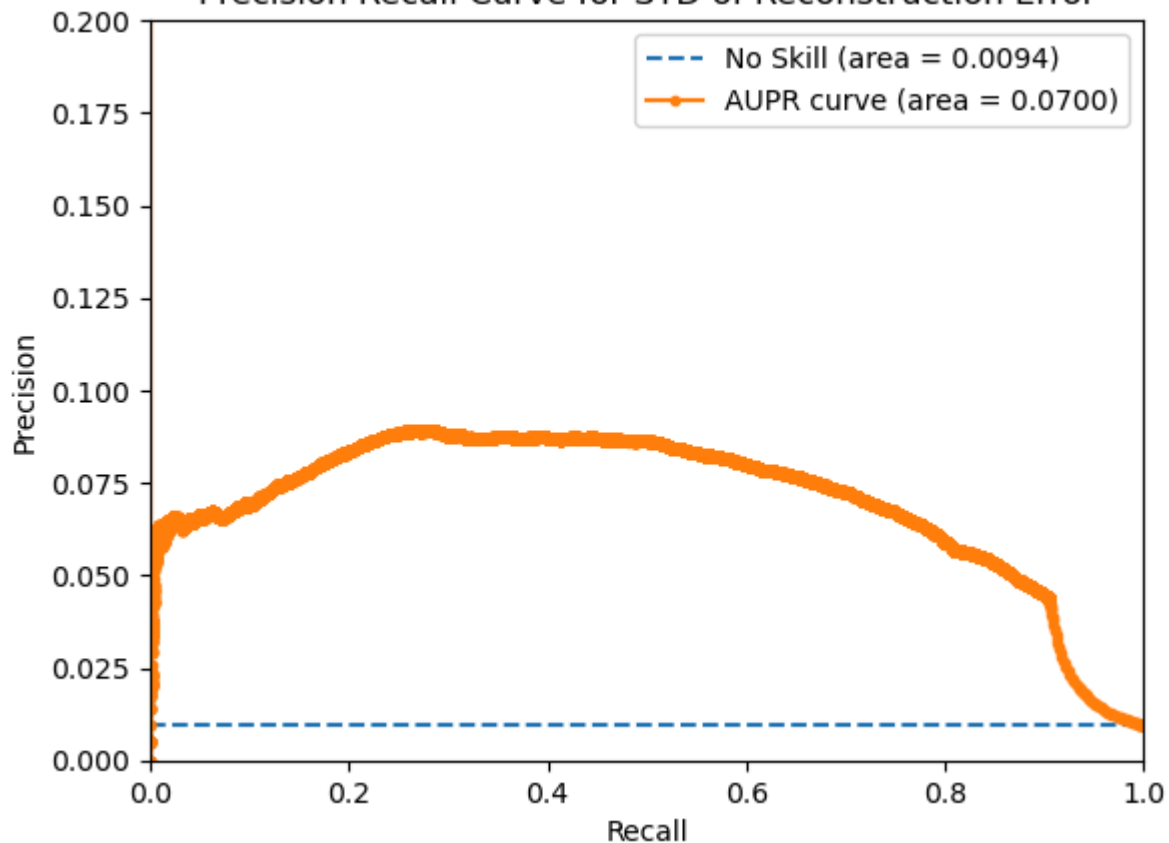
std_AUROC 0.892

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Mean Global Classification Results  
TPR 0.899, FPR 0.181, Precision 0.045, Recall 0.899  
tn 567968, fp 125631, fn 665, tp 5936  
mean_AUROC 0.889  
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```
d:\Abdul Rasheed NITT\Academics\Eighth Semester\FYP\Implementation\FallDetection\Code\functions.py:250: 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,
```



Precision Recall Curve for STD of Reconstruction Error



Receiver Operating Characteristic for Mean of Reconstruction Error

