

Train Dataloader - 48

Test Dataloader - 173

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 - True

w1 - 1, w2 - 1e-05

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:0.0004

epoch [2/20], loss:0.0002

epoch [3/20], loss:0.0002

epoch [4/20], loss:0.0001

epoch [5/20], loss:0.0002

epoch [6/20], loss:0.0001

epoch [7/20], loss:0.0001

epoch [8/20], loss:0.0001

epoch [9/20], loss:0.0000

epoch [10/20], loss:0.0001

epoch [11/20], loss:0.0000

epoch [12/20], loss:0.0000

epoch [13/20], loss:0.0001

epoch [14/20], loss:0.0000

epoch [15/20], loss:0.0001

epoch [16/20], loss:0.0001

epoch [17/20], loss:0.0001

epoch [18/20], loss:0.0001

epoch [19/20], loss:0.0001

epoch [20/20], loss:0.0001

Training has Completed

Forward pass occurring

Forward pass completed

IP_T_2024-04-29-02-56-31

STD Global Classification Results

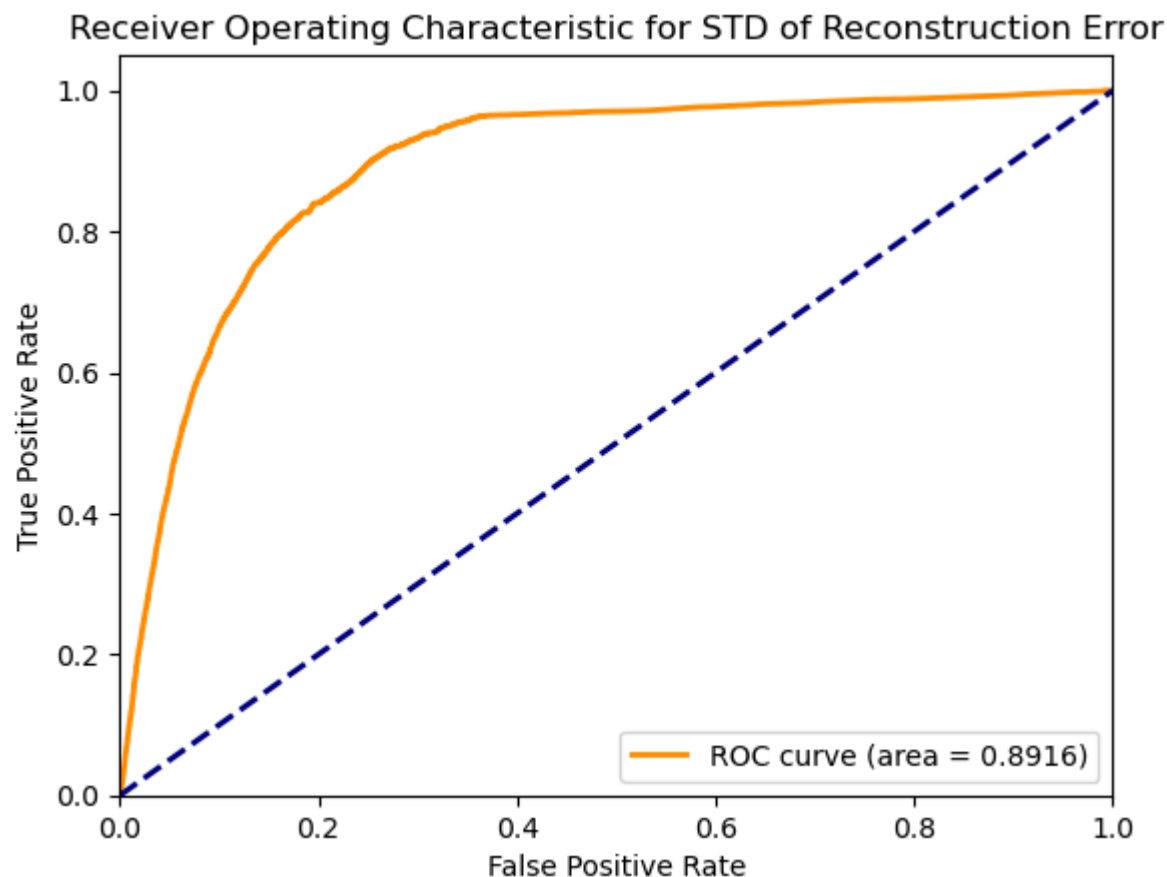
TPR 0.904, FPR 0.257, Precision 0.033, Recall 0.904

tn 341649, fp 118084, fn 423, tp 3992

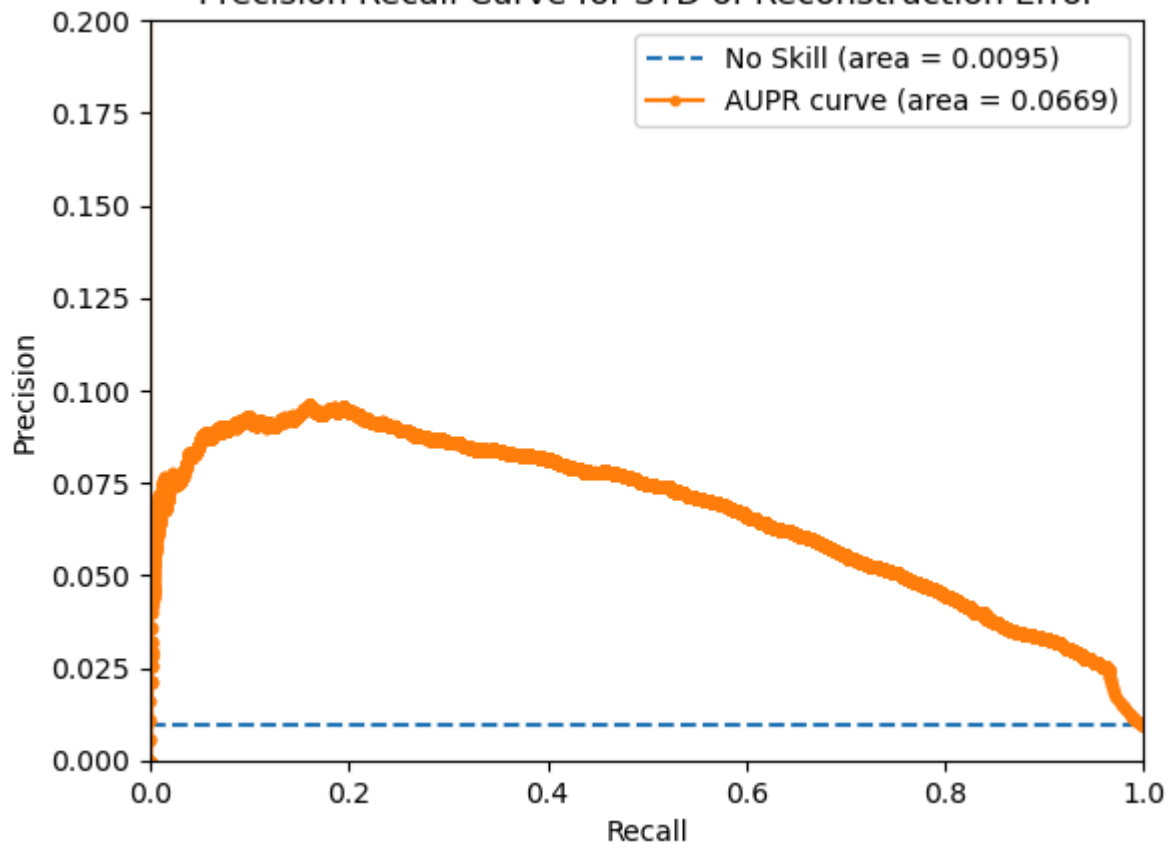
std_AUROC 0.892

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Mean Global Classification Results  
TPR 0.911, FPR 0.262, Precision 0.032, Recall 0.911  
tn 339296, fp 120437, fn 394, tp 4021  
mean_AUROC 0.879  
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c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.  
py:1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should  
be meaningless  
    warnings.warn(  
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.  
py:979: UserWarning: No positive class found in y_true, recall is set to one for all thres  
holds.  
    warnings.warn(  
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.  
py:1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should  
be meaningless  
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c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.  
py:979: UserWarning: No positive class found in y_true, recall is set to one for all thres  
holds.  
    warnings.warn(  
d:\Abdul Rasheed NITT\Academics\Eighth Semester\FYP\Implementation\FallDetection\Code\funct  
ions.py:302: RuntimeWarning: Mean of empty slice  
    final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance a  
cross all videos  
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.p  
y: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

