```
Train Dataloader - 58
Test Dataloader - 180

Device Used - cuda

Model Used - Base_3DCAE_2
Feature Extraction - False
Data Augmentation - False
Spatial Temporal Loss - 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 = MSELoss()

Training has Begun
epoch [1/20], loss:0.0018
epoch [2/20], loss:0.0013
epoch [3/20], loss:0.0011
epoch [4/20], loss:0.0009
epoch [5/20], loss:0.0009
epoch [6/20], loss:0.0009
epoch [7/20], loss:0.0008
epoch [8/20], loss:0.0008
epoch [9/20], loss:0.0008
epoch [10/20], loss:0.0008
epoch [11/20], loss:0.0008
epoch [12/20], loss:0.0008
epoch [13/20], loss:0.0008
epoch [14/20], loss:0.0008
epoch [15/20], loss:0.0008
epoch [16/20], loss:0.0008
epoch [17/20], loss:0.0008
epoch [18/20], loss:0.0008
epoch [19/20], loss:0.0008
epoch [20/20], loss:0.0008
Training has Completed

Forward pass occuring
Forward pass completed

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STD Global Classification Results
TPR 0.839, FPR 0.347, Precision 0.023, Recall 0.839
tn 309308, fp 164233, fn 750, tp 3895
std_AUROC  0.836
----------------------------------
----------------------------------
Mean Global Classification Results
TPR 0.831, FPR 0.178, Precision 0.044, Recall 0.831
tn 389159, fp 84382, fn 786, tp 3859
```
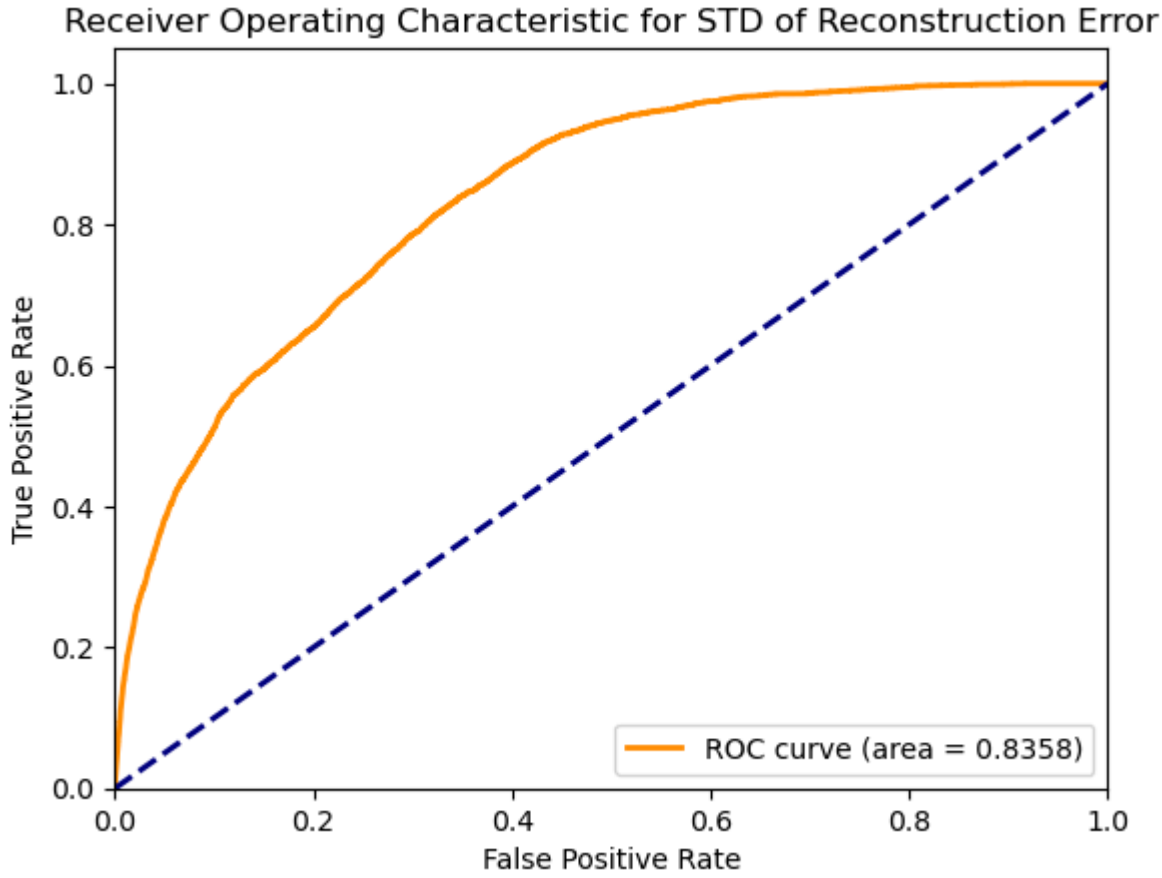
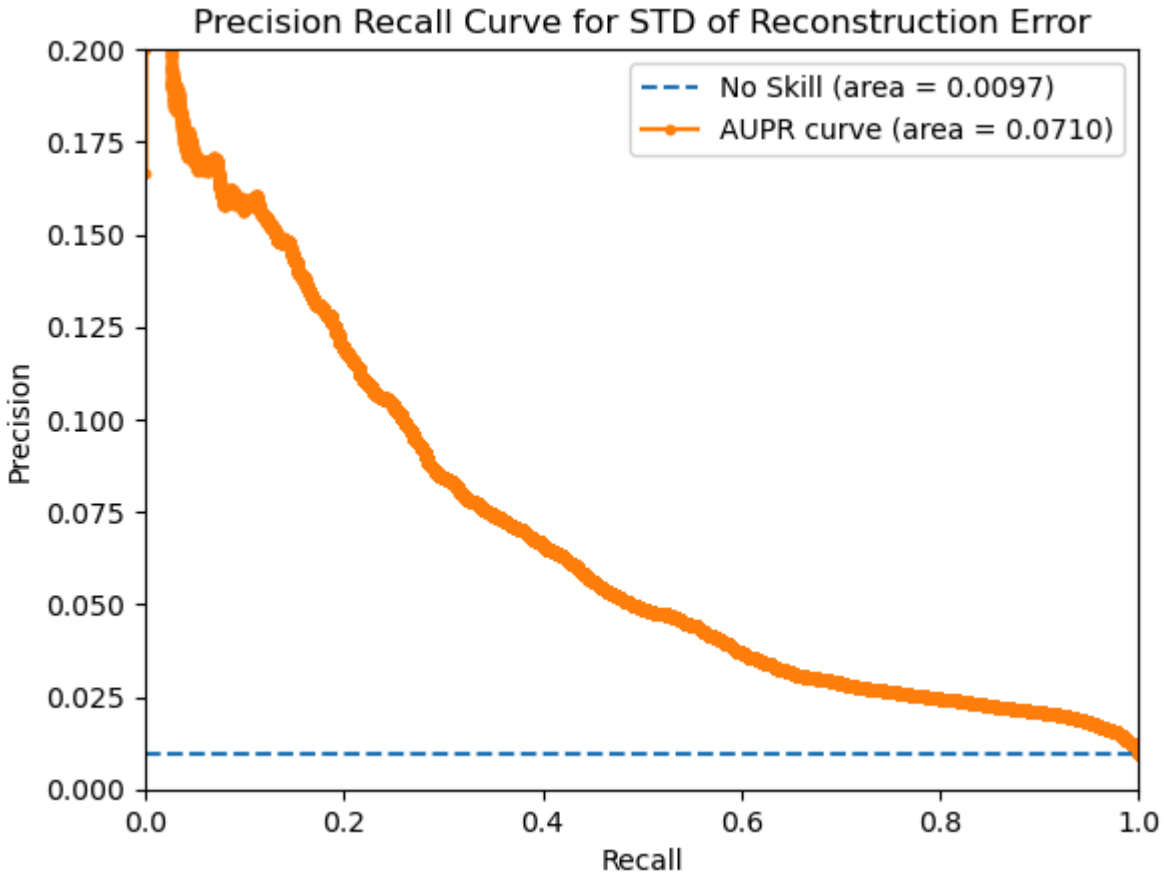
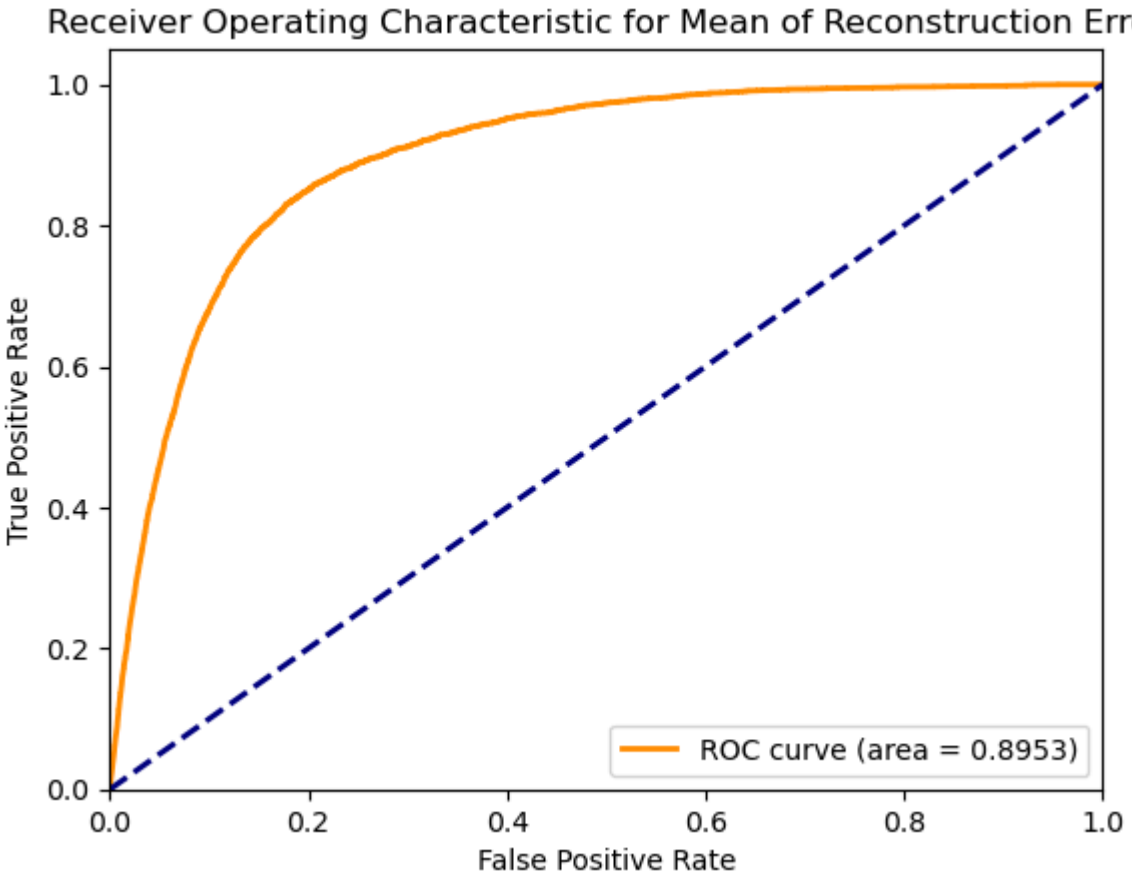
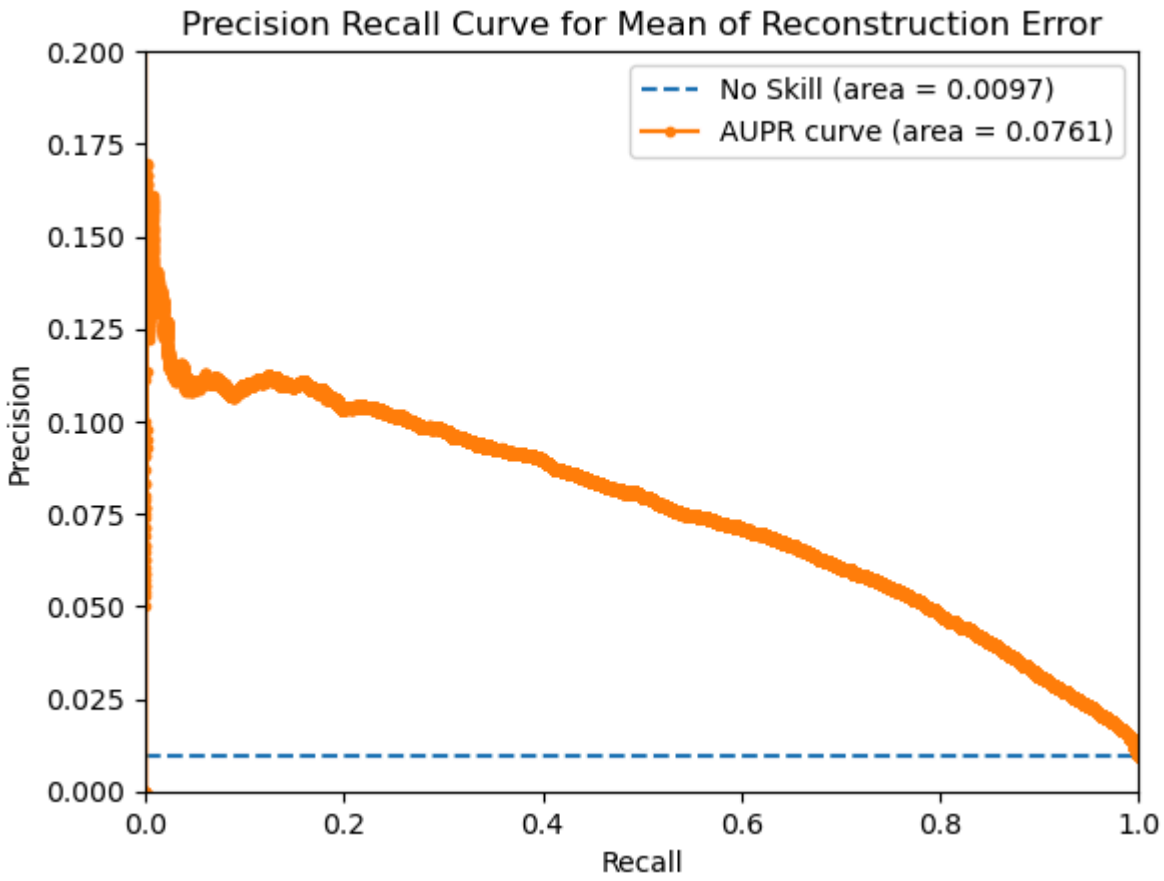

```
mean_AUROC 0.895
---------------------------------
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
py:1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should
be meaningless
  warnings.warn(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
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
  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(
d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\funct
ions.py:250: 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
No Skill (area = 0.0097)
AUPR curve (area = 0.0710)
Precision
Recall
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.0
0.2
0.4
0.6
0.8
1.0


Receiver Operating Characteristic for Mean of Reconstruction Error
ROC curve (area = 0.8953)
True Positive Rate
False Positive Rate
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Precision Recall Curve for Mean of Reconstruction Error
No Skill (area = 0.0097)
AUPR curve (area = 0.0761)
Precision
Recall
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.0
0.2
0.4
0.6
0.8
1.0