```
Train Dataloader - 72
Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE
Key Frame Extraction - False
Feature Extraction - True
Background Subtraction - True
Background Subtraction Algorithm - GMG
Data Augmentation - True
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:0.0015
epoch [2/20], loss:0.0007
epoch [3/20], loss:0.0004
epoch [4/20], loss:0.0003
epoch [5/20], loss:0.0003
epoch [6/20], loss:0.0005
epoch [7/20], loss:0.0002
epoch [8/20], loss:0.0002
epoch [9/20], loss:0.0001
epoch [10/20], loss:0.0002
epoch [11/20], loss:0.0001
epoch [12/20], loss:0.0001
epoch [13/20], loss:0.0001
epoch [14/20], loss:0.0002
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 occuring
Forward pass completed

Thermal_T3_2024-04-29-03-52-41

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STD Global Classification Results
```
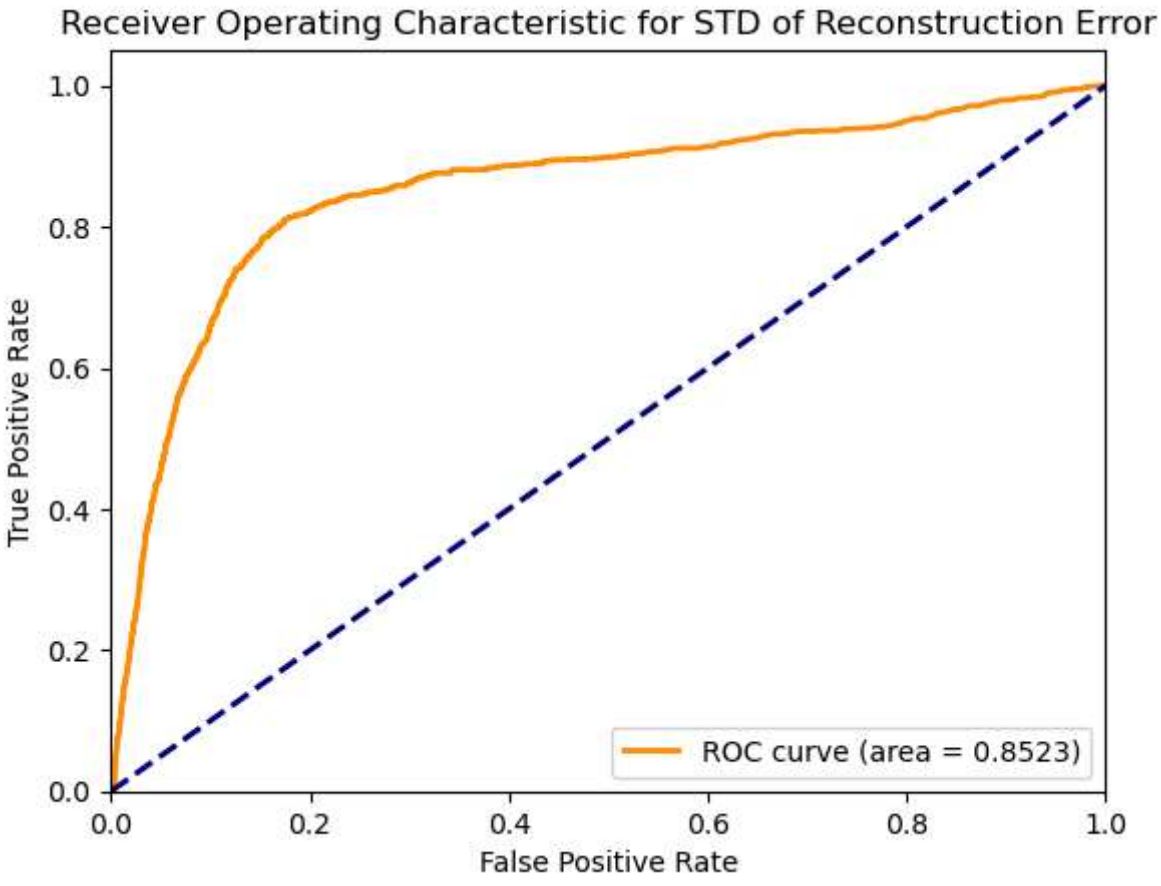
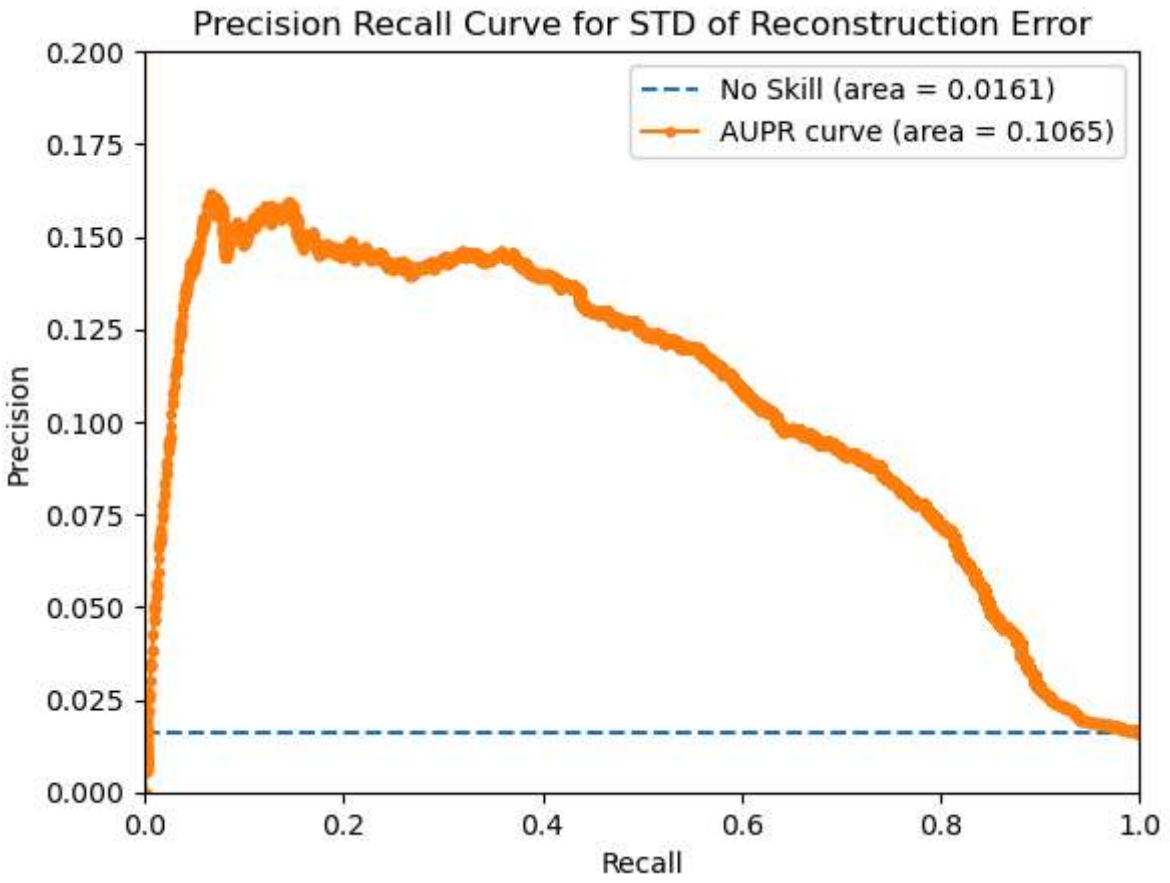
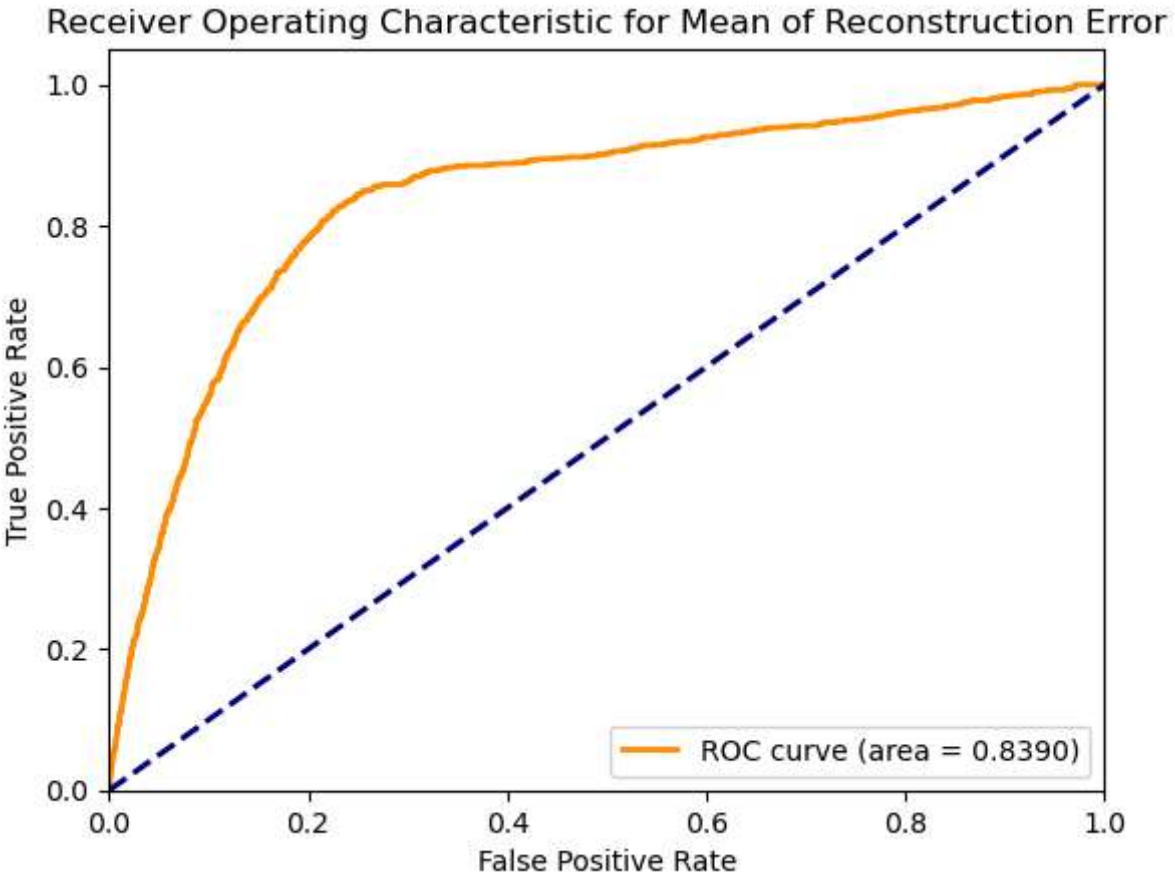
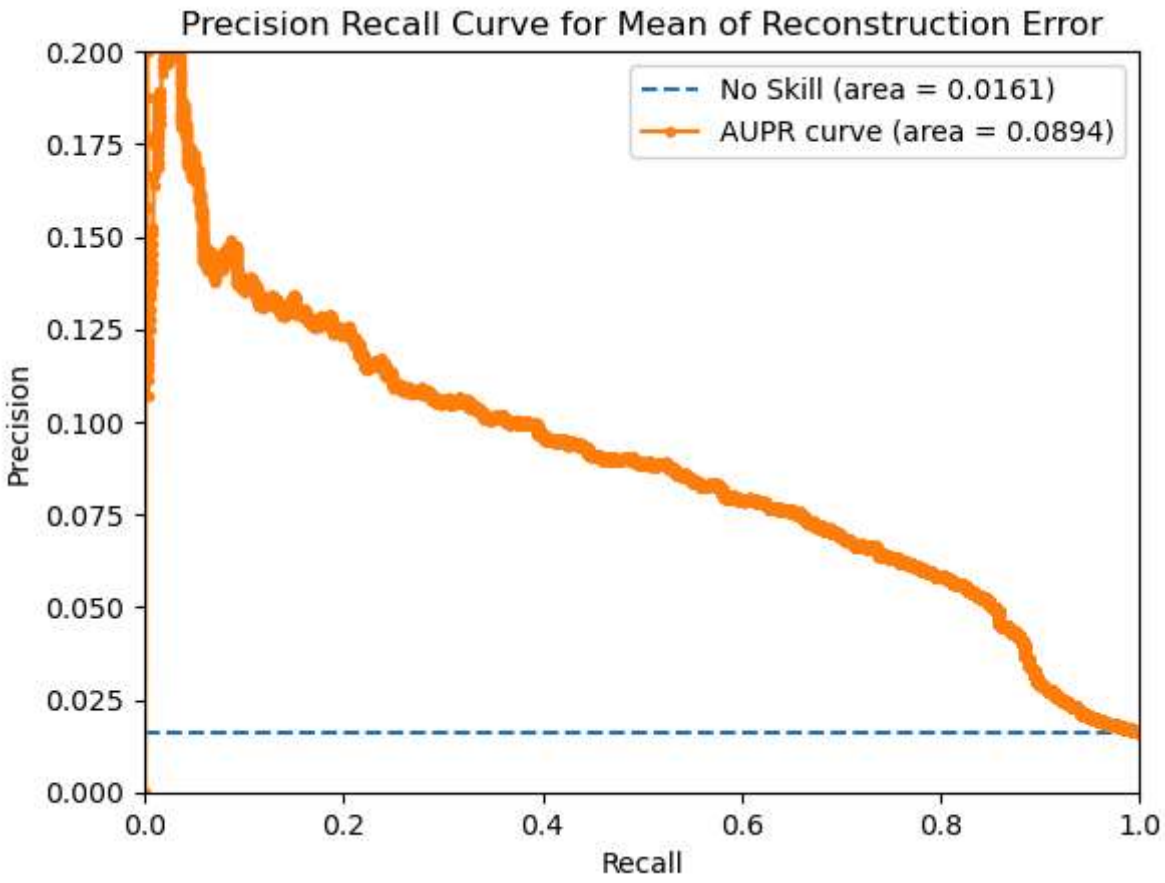

```
TPR 0.811, FPR 0.174, Precision 0.071, Recall 0.811
tn 54700, fp 11541, fn 205, tp 877
std_AUROC  0.852
----------------------------------
----------------------------------
Mean Global Classification Results
TPR 0.826, FPR 0.230, Precision 0.055, Recall 0.826
tn 50995, fp 15246, fn 188, tp 894
mean_AUROC 0.839
----------------------------------
```

```
c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\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\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:1872: 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 = 0.0161)
AUPR curve (area = 0.1065)
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 = 0.8390)
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 = 0.0161)
AUPR curve (area = 0.0894)
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