

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 - 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:0.0001

epoch [2/20], loss:0.0001

epoch [3/20], loss:0.0000

epoch [4/20], loss:0.0000

epoch [5/20], loss:0.0000

epoch [6/20], loss:0.0001

epoch [7/20], loss:0.0000

epoch [8/20], loss:0.0000

epoch [9/20], loss:0.0000

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:0.0000

epoch [16/20], loss:0.0000

epoch [17/20], loss:0.0000

epoch [18/20], loss:0.0000

epoch [19/20], loss:0.0000

epoch [20/20], loss:0.0000

Training has Completed

Forward pass occurring

Forward pass completed

IP_T_2024-04-26-12-45-30

STD Global Classification Results

```
TPR 0.840, FPR 0.196, Precision 0.040, Recall 0.840
tn 369636, fp 90097, fn 705, tp 3710
std_AUROC 0.853
-----
```

```
d:\FYP-Human-Fall-Detection\Code\functions.py:461: RuntimeWarning: invalid va
lue encountered in longlong_scalars
```

```
Precision = tp / (tp + fp)
```

```
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metr
ics\_ranking.py:1132: UndefinedMetricWarning: No positive samples in y_true,
true positive value should be meaningless
```

```
warnings.warn(
```

```
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metr
ics\_ranking.py:979: UserWarning: No positive class found in y_true, recall i
s set to one for all thresholds.
```

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warnings.warn(
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ics\_ranking.py:979: UserWarning: No positive class found in y_true, recall i
s set to one for all thresholds.
```

```
warnings.warn(
```

```
-----
Mean Global Classification Results
```

```
TPR 0.000, FPR 0.000, Precision nan, Recall 0.000
tn 459733, fp 0, fn 4415, tp 0
mean_AUROC 0.500
-----
```

```
d:\FYP-Human-Fall-Detection\Code\functions.py:250: RuntimeWarning: Mean of em
pty slice
```

```
final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean
performance across all videos
```

```
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\na
nfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.
```

```
var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```



