

Train Dataloader - 176

Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D

Key Frame Extraction - True

Key Frame Extraction Algorithm - BG_Subtraction

Feature Extraction - False

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 = BCELoss()

Training has Begun

epoch [1/20], loss:0.6620

epoch [2/20], loss:0.4167

epoch [3/20], loss:0.2910

epoch [4/20], loss:0.2751

epoch [5/20], loss:0.2627

epoch [6/20], loss:0.2609

epoch [7/20], loss:0.1240

epoch [8/20], loss:0.0283

epoch [9/20], loss:0.0049

epoch [10/20], loss:0.0077

epoch [11/20], loss:0.0008

epoch [12/20], loss:0.0003

epoch [13/20], loss:0.0001

epoch [14/20], loss:0.0001

epoch [15/20], loss:0.0000

epoch [16/20], loss:0.0008

epoch [17/20], loss:0.0006

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_2024-04-26-21-05-42

STD Global Classification Results

TPR 0.931, FPR 0.000, Precision 1.000, Recall 0.931

```
tn 5525, fp 0, fn 55, tp 741
```

```
std_AUROC 0.965
```

```
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```

```
Mean Global Classification Results
```

```
TPR 0.562, FPR 0.000, Precision 1.000, Recall 0.562
```

```
tn 5525, fp 0, fn 349, tp 447
```

```
mean_AUROC 0.781
```

```
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c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:1123: UndefinedMetricWarning: No negative samples in y_true,  
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warnings.warn(  
d:\FYP-Human-Fall-Detection\Code\functions.py:302: 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,
```





