

Train Dataloader - 58

Test Dataloader - 182

Device Used - cuda

Model Used - Base_3DCAE

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 - True

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:0.0005

epoch [2/20], loss:0.0004

epoch [3/20], loss:0.0003

epoch [4/20], loss:0.0003

epoch [5/20], loss:0.0002

epoch [6/20], loss:0.0001

epoch [7/20], loss:0.0002

epoch [8/20], loss:0.0002

epoch [9/20], loss:0.0001

epoch [10/20], loss:0.0001

epoch [11/20], loss:0.0001

epoch [12/20], loss:0.0001

epoch [13/20], loss:0.0001

epoch [14/20], loss:0.0001

epoch [15/20], loss:0.0001

epoch [16/20], loss:0.0001

epoch [17/20], loss:0.0003

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

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STD Global Classification Results

TPR 0.883, FPR 0.169, Precision 0.044, Recall 0.883

tn 230801, fp 46782, fn 287, tp 2171

std_AUROC 0.914

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Mean Global Classification Results  
TPR 0.952, FPR 0.239, Precision 0.034, Recall 0.952  
tn 211184, fp 66399, fn 119, tp 2339  
mean_AUROC 0.904  
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d:\Abdul Rasheed NITT\Academics\Eighth Semester\FYP\Implementation\FallDetection\Code\functions.py:250: RuntimeWarning: Mean of empty slice  
  final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance across all videos  
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.  
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```





