

Train Dataloader - 48

Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE

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 = MSELoss()

Training has Begun

epoch [1/20], loss:0.0014

epoch [2/20], loss:0.0003

epoch [3/20], loss:0.0001

epoch [4/20], loss:0.0001

epoch [5/20], loss:0.0000

epoch [6/20], loss:0.0000

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

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STD Global Classification Results

TPR 0.891, FPR 0.171, Precision 0.044, Recall 0.891

tn 219652, fp 45186, fn 254, tp 2086

std_AUROC 0.913

Mean Global Classification Results
TPR 0.932, FPR 0.208, Precision 0.038, Recall 0.932
tn 209669, fp 55169, fn 160, tp 2180
mean_AUROC 0.903

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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,
```





