

Train Dataloader - 48

Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE

Key Frame Extraction - True

Key Frame Extraction Algorithm - Optical_Flow

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:10.1172

epoch [2/20], loss:10.1118

epoch [3/20], loss:10.0958

epoch [4/20], loss:10.0924

epoch [5/20], loss:10.0902

epoch [6/20], loss:10.0884

epoch [7/20], loss:10.0875

epoch [8/20], loss:10.0863

epoch [9/20], loss:10.0856

epoch [10/20], loss:10.0851

epoch [11/20], loss:10.0845

epoch [12/20], loss:10.0846

epoch [13/20], loss:10.0829

epoch [14/20], loss:10.0825

epoch [15/20], loss:10.0825

epoch [16/20], loss:10.0816

epoch [17/20], loss:10.0825

epoch [18/20], loss:10.0818

epoch [19/20], loss:10.0819

epoch [20/20], loss:10.0809

Training has Completed

Forward pass occurring

Forward pass completed

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STD Global Classification Results

TPR 0.743, FPR 0.345, Precision 0.052, Recall 0.743

tn 40260, fp 21211, fn 406, tp 1175

std_AUROC 0.733

Mean Global Classification Results
TPR 0.791, FPR 0.437, Precision 0.044, Recall 0.791
tn 34617, fp 26854, fn 331, tp 1250
mean_AUROC 0.706

```
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should be meaningless
  warnings.warn(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:979: UserWarning: No positive class found in y_true, recall is set to one for all thresholds.
  warnings.warn(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should be meaningless
  warnings.warn(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:979: UserWarning: No positive class found in y_true, recall is set to one for all thresholds.
  warnings.warn(
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,
```





