



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 - 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 = MSELoss()

Training has Begun

epoch [1/20], loss:883.6955

epoch [2/20], loss:883.6501

epoch [3/20], loss:883.6400

epoch [4/20], loss:883.6330

epoch [5/20], loss:883.6292

epoch [6/20], loss:883.6267

epoch [7/20], loss:883.6246

epoch [8/20], loss:883.6224

epoch [9/20], loss:883.6212

epoch [10/20], loss:883.6191

epoch [11/20], loss:883.6182

epoch [12/20], loss:883.6171

epoch [13/20], loss:883.6155

epoch [14/20], loss:883.6147

epoch [15/20], loss:883.6138

epoch [16/20], loss:883.6122

epoch [17/20], loss:883.6113

epoch [18/20], loss:883.6100

epoch [19/20], loss:883.6092

epoch [20/20], loss:883.6089

Training has Completed

Forward pass occurring

Forward pass completed

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STD Global Classification Results

TPR 0.728, FPR 0.371, Precision 0.069, Recall 0.728

tn 71859, fp 42331, fn 1165, tp 3123

std\_AUROC 0.726

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Mean Global Classification Results  
TPR 0.831, FPR 0.511, Precision 0.058, Recall 0.831  
tn 55826, fp 58364, fn 725, tp 3563  
mean_AUROC 0.698  
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```

```
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 thres  
holds.  
  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  
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py:979: UserWarning: No positive class found in y_true, recall is set to one for all thres  
holds.  
  warnings.warn(  
d:\Abdul Rasheed NITT\Academics\Eighth Semester\FYP\Implementation\FallDetection\Code\funct  
ions.py:250: RuntimeWarning: Mean of empty slice  
  final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance a  
cross all videos  
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.p  
y:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.  
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```





