

Train Dataloader - 176
Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D
Feature Extraction - False
Data Augmentation - False
Spatial Temporal Loss - 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:0.5025
epoch [2/20], loss:0.4199
epoch [3/20], loss:0.3370
epoch [4/20], loss:0.3236
epoch [5/20], loss:0.3025
epoch [6/20], loss:0.2912
epoch [7/20], loss:0.2313
epoch [8/20], loss:0.2128
epoch [9/20], loss:0.1990
epoch [10/20], loss:0.2171
epoch [11/20], loss:0.2189
epoch [12/20], loss:0.2136
epoch [13/20], loss:0.1882
epoch [14/20], loss:0.1919
epoch [15/20], loss:0.1834
epoch [16/20], loss:0.1770
epoch [17/20], loss:0.1776
epoch [18/20], loss:0.1751
epoch [19/20], loss:0.1758
epoch [20/20], loss:0.1748
Training has Completed

Forward pass occurring
Forward pass completed

Thermal_T3_2024-03-26-02-54-02

CNN Performance Results
Threshold 0.9400000000000001
TPR 0.6383333333333333, FPR 0.008759274525968672, Precision 0.8183760683760684, Recall 0.6383333333333333
tn 9619, fp 85, fn 217, tp 383
