Loaded 8447 epochs

Training EEGNet...

Epoch 1: Loss 1.0637

Epoch 2: Loss 1.0143

Epoch 3: Loss 0.9761

Epoch 4: Loss 0.9348

Epoch 5: Loss 0.8929

Epoch 6: Loss 0.8498

Epoch 7: Loss 0.8076

Epoch 8: Loss 0.7691

Epoch 9: Loss 0.7280

Epoch 10: Loss 0.7122

Epoch 11: Loss 0.6721

Epoch 12: Loss 0.6536

Epoch 13: Loss 0.6371

Epoch 14: Loss 0.6185

Epoch 15: Loss 0.5819

Epoch 16: Loss 0.5757

Epoch 17: Loss 0.5576

Epoch 18: Loss 0.5394

Epoch 19: Loss 0.5188

Epoch 20: Loss 0.5029

EEGNet Results:

precision recall f1-score support

Low(25-39) 0.79 0.31 0.45 682

Medium(40-49) 0.53 0.88 0.66 597

High(50-74) 0.50 0.52 0.51 411

accuracy 0.56 1690

macro avg 0.60 0.57 0.54 1690

weighted avg 0.63 0.56 0.54 1690

Training LMDA...

Epoch 1: Loss 1.0198

Epoch 2: Loss 0.9053

Epoch 3: Loss 0.7848

Epoch 4: Loss 0.6910

Epoch 5: Loss 0.6270

Epoch 6: Loss 0.5783

Epoch 7: Loss 0.5306

Epoch 8: Loss 0.5034

Epoch 9: Loss 0.4647

Epoch 10: Loss 0.4378

Epoch 11: Loss 0.4139

Epoch 12: Loss 0.3864

Epoch 13: Loss 0.3823

Epoch 14: Loss 0.3650

Epoch 15: Loss 0.3548

Epoch 16: Loss 0.3267

Epoch 17: Loss 0.3190

Epoch 18: Loss 0.2924

Epoch 19: Loss 0.3004

Epoch 20: Loss 0.3017

LMDA Results:

precision recall f1-score support

Low(25-39) 0.97 0.94 0.96 682

Medium(40-49) 0.92 0.97 0.94 597

High(50-74) 0.95 0.92 0.93 411

accuracy 0.95 1690

macro avg 0.95 0.94 0.94 1690

weighted avg 0.95 0.95 0.95 1690

Training GCN...

[C:\Users\sansk\miniconda3\Lib\site-packages\numpy\lib\function\_base.py:2897](file:///C:\Users\sansk\miniconda3\Lib\site-packages\numpy\lib\function_base.py#line=2896): RuntimeWarning: invalid value encountered in divide

c /= stddev[:, None]

[C:\Users\sansk\miniconda3\Lib\site-packages\numpy\lib\function\_base.py:2898](file:///C:\Users\sansk\miniconda3\Lib\site-packages\numpy\lib\function_base.py#line=2897): RuntimeWarning: invalid value encountered in divide

c /= stddev[None, :]

[C:\Users\sansk\miniconda3\Lib\site-packages\torch\_geometric\deprecation.py:26](file:///C:\Users\sansk\miniconda3\Lib\site-packages\torch_geometric\deprecation.py#line=25): UserWarning: 'data.DataLoader' is deprecated, use 'loader.DataLoader' instead

warnings.warn(out)

Epoch 1: Loss 1.2925

Epoch 2: Loss 1.1241

Epoch 3: Loss 1.1223

Epoch 4: Loss 1.0638

Epoch 5: Loss 1.0281

Epoch 6: Loss 1.0090

Epoch 7: Loss 0.9964

Epoch 8: Loss 0.9961

Epoch 9: Loss 0.9756

Epoch 10: Loss 0.9567

Epoch 11: Loss 0.9217

Epoch 12: Loss 0.9185

Epoch 13: Loss 0.9022

Epoch 14: Loss 0.8772

Epoch 15: Loss 0.8590

Epoch 16: Loss 0.8385

Epoch 17: Loss 0.7932

Epoch 18: Loss 0.8174

Epoch 19: Loss 0.7562

Epoch 20: Loss 0.7412

GCN Results:

precision recall f1-score support

Low(25-39) 0.47 0.51 0.49 682

Medium(40-49) 0.43 0.37 0.40 597

High(50-74) 0.32 0.35 0.33 411

accuracy 0.42 1690

macro avg 0.41 0.41 0.41 1690

weighted avg 0.42 0.42 0.42 1690