Loaded 7243 epochs

Training EEGNet...

Epoch 1: Loss 1.0449

Epoch 2: Loss 0.9975

Epoch 3: Loss 0.9677

Epoch 4: Loss 0.9471

Epoch 5: Loss 0.9261

Epoch 6: Loss 0.9075

Epoch 7: Loss 0.8720

Epoch 8: Loss 0.8628

Epoch 9: Loss 0.8430

Epoch 10: Loss 0.8276

Epoch 11: Loss 0.8014

Epoch 12: Loss 0.7928

Epoch 13: Loss 0.7673

Epoch 14: Loss 0.7651

Epoch 15: Loss 0.7460

Epoch 16: Loss 0.7319

Epoch 17: Loss 0.7068

Epoch 18: Loss 0.6916

Epoch 19: Loss 0.6960

Epoch 20: Loss 0.6656

EEGNet Results:

precision recall f1-score support

Low(25-39) 0.61 0.61 0.61 585

Medium(40-49) 0.62 0.38 0.47 512

High(50-74) 0.47 0.73 0.57 352

accuracy 0.56 1449

macro avg 0.57 0.57 0.55 1449

weighted avg 0.58 0.56 0.55 1449

Training LMDA...

Epoch 1: Loss 1.0125

Epoch 2: Loss 0.8711

Epoch 3: Loss 0.7397

Epoch 4: Loss 0.6591

Epoch 5: Loss 0.5950

Epoch 6: Loss 0.5271

Epoch 7: Loss 0.4937

Epoch 8: Loss 0.4572

Epoch 9: Loss 0.4318

Epoch 10: Loss 0.4002

Epoch 11: Loss 0.3837

Epoch 12: Loss 0.3585

Epoch 13: Loss 0.3517

Epoch 14: Loss 0.3254

Epoch 15: Loss 0.3163

Epoch 16: Loss 0.3022

Epoch 17: Loss 0.2927

Epoch 18: Loss 0.2813

Epoch 19: Loss 0.2700

Epoch 20: Loss 0.2652

LMDA Results:

precision recall f1-score support

Low(25-39) 0.84 0.99 0.91 585

Medium(40-49) 0.98 0.76 0.86 512

High(50-74) 0.91 0.93 0.92 352

accuracy 0.89 1449

macro avg 0.91 0.89 0.89 1449

weighted avg 0.90 0.89 0.89 1449

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 1.2698

Epoch 2: Loss 1.1163

Epoch 3: Loss 1.1287

Epoch 4: Loss 1.0355

Epoch 5: Loss 1.0176

Epoch 6: Loss 0.9953

Epoch 7: Loss 0.9849

Epoch 8: Loss 0.9705

Epoch 9: Loss 1.0028

Epoch 10: Loss 0.9432

Epoch 11: Loss 0.9293

Epoch 12: Loss 0.8904

Epoch 13: Loss 0.8579

Epoch 14: Loss 0.8908

Epoch 15: Loss 0.8621

Epoch 16: Loss 0.8186

Epoch 17: Loss 0.8292

Epoch 18: Loss 0.8235

Epoch 19: Loss 0.7580

Epoch 20: Loss 0.7843

GCN Results:

precision recall f1-score support

Low(25-39) 0.48 0.56 0.51 585

Medium(40-49) 0.48 0.40 0.44 512

High(50-74) 0.42 0.40 0.41 352

accuracy 0.46 1449

macro avg 0.46 0.45 0.45 1449

weighted avg 0.46 0.46 0.46 1449