Loaded data shape: (7243, 1000, 28) (epochs, time\_points, channels)

EEGNet input shape: (7243, 28, 1000, 1)

Epoch 1/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **47s** 238ms/step - accuracy: 0.5311 - loss: 0.7832 - val\_accuracy: 0.5089 - val\_loss: 0.7016

Epoch 2/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **80s** 226ms/step - accuracy: 0.6020 - loss: 0.6662 - val\_accuracy: 0.5556 - val\_loss: 0.7670

Epoch 3/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **41s** 229ms/step - accuracy: 0.6850 - loss: 0.5831 - val\_accuracy: 0.5003 - val\_loss: 1.1668

Epoch 4/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **42s** 234ms/step - accuracy: 0.7823 - loss: 0.4631 - val\_accuracy: 0.4207 - val\_loss: 1.7002

Epoch 5/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **43s** 238ms/step - accuracy: 0.8355 - loss: 0.3869 - val\_accuracy: 0.4852 - val\_loss: 1.9457

Epoch 6/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **42s** 232ms/step - accuracy: 0.8664 - loss: 0.3064 - val\_accuracy: 0.4924 - val\_loss: 2.0883

Epoch 7/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **42s** 235ms/step - accuracy: 0.8973 - loss: 0.2501 - val\_accuracy: 0.5128 - val\_loss: 2.1939

Epoch 8/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **41s** 230ms/step - accuracy: 0.9101 - loss: 0.2150 - val\_accuracy: 0.4924 - val\_loss: 2.4639

Epoch 9/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **41s** 228ms/step - accuracy: 0.9256 - loss: 0.1821 - val\_accuracy: 0.5188 - val\_loss: 2.2335

Epoch 10/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **41s** 231ms/step - accuracy: 0.9228 - loss: 0.1911 - val\_accuracy: 0.5352 - val\_loss: 2.3438

Epoch 11/100

**179/179** ━━━━━━━━━━━━━━━━━━━━ **42s** 232ms/step - accuracy: 0.9310 - loss: 0.1684 - val\_accuracy: 0.5063 - val\_loss: 1.5254

Test Accuracy: 50.89%

Test Loss: 0.7016

