Epoch 2/25, Train Loss: 1.2295, Val Loss: 2.7773, Val Accuracy: 31.25%, Val Precision: 0.1282, Val Recall: 0.3125, Val F1 Score: 0.1770

Epoch 3/25, Train Loss: 1.1468, Val Loss: 1.4399, Val Accuracy: 44.00%, Val Precision: 0.5301, Val Recall: 0.4400, Val F1 Score: 0.3459

Epoch 4/25, Train Loss: 1.1008, Val Loss: 1.1211, Val Accuracy: 57.00%, Val Precision: 0.5701, Val Recall: 0.5700, Val F1 Score: 0.5519

Epoch 5/25, Train Loss: 1.0373, Val Loss: 0.9986, Val Accuracy: 60.50%, Val Precision: 0.5873, Val Recall: 0.6050, Val F1 Score: 0.5782

Epoch 6/25, Train Loss: 1.0172, Val Loss: 0.9764, Val Accuracy: 60.00%, Val Precision: 0.6013, Val Recall: 0.6000, Val F1 Score: 0.5869

Epoch 7/25, Train Loss: 0.9705, Val Loss: 0.9970, Val Accuracy: 60.00%, Val Precision: 0.5966, Val Recall: 0.6000, Val F1 Score: 0.5941

Epoch 8/25, Train Loss: 0.9559, Val Loss: 0.9857, Val Accuracy: 60.75%, Val Precision: 0.6080, Val Recall: 0.6075, Val F1 Score: 0.6023

Epoch 9/25, Train Loss: 0.9167, Val Loss: 0.9746, Val Accuracy: 60.25%, Val Precision: 0.6077, Val Recall: 0.6025, Val F1 Score: 0.5992

Epoch 10/25, Train Loss: 0.8789, Val Loss: 0.9698, Val Accuracy: 60.25%, Val Precision: 0.6072, Val Recall: 0.6025, Val F1 Score: 0.5979

Epoch 11/25, Train Loss: 0.8756, Val Loss: 0.9622, Val Accuracy: 60.00%, Val Precision: 0.6009, Val Recall: 0.6000, Val F1 Score: 0.5953

Epoch 12/25, Train Loss: 0.8713, Val Loss: 0.9666, Val Accuracy: 61.00%, Val Precision: 0.6171, Val Recall: 0.6100, Val F1 Score: 0.6077

Epoch 13/25, Train Loss: 0.8771, Val Loss: 0.9620, Val Accuracy: 60.25%, Val Precision: 0.6117, Val Recall: 0.6025, Val F1 Score: 0.6010

Epoch 14/25, Train Loss: 0.8691, Val Loss: 0.9543, Val Accuracy: 61.00%, Val Precision: 0.6135, Val Recall: 0.6100, Val F1 Score: 0.6077

Epoch 15/25, Train Loss: 0.8549, Val Loss: 0.9512, Val Accuracy: 61.50%, Val Precision: 0.6199, Val Recall: 0.6150, Val F1 Score: 0.6137

Epoch 16/25, Train Loss: 0.8745, Val Loss: 0.9527, Val Accuracy: 61.00%, Val Precision: 0.6154, Val Recall: 0.6100, Val F1 Score: 0.6084

Epoch 17/25, Train Loss: 0.8534, Val Loss: 0.9539, Val Accuracy: 61.25%, Val Precision: 0.6177, Val Recall: 0.6125, Val F1 Score: 0.6104

Epoch 18/25, Train Loss: 0.8359, Val Loss: 0.9565, Val Accuracy: 62.25%, Val Precision: 0.6300, Val Recall: 0.6225, Val F1 Score: 0.6210

Epoch 19/25, Train Loss: 0.8552, Val Loss: 0.9538, Val Accuracy: 61.50%, Val Precision: 0.6205, Val Recall: 0.6150, Val F1 Score: 0.6125

Epoch 20/25, Train Loss: 0.8582, Val Loss: 0.9562, Val Accuracy: 61.75%, Val Precision: 0.6244, Val Recall: 0.6175, Val F1 Score: 0.6154

Epoch 21/25, Train Loss: 0.8423, Val Loss: 0.9574, Val Accuracy: 61.25%, Val Precision: 0.6167, Val Recall: 0.6125, Val F1 Score: 0.6091

Epoch 22/25, Train Loss: 0.8321, Val Loss: 0.9546, Val Accuracy: 61.00%, Val Precision: 0.6135, Val Recall: 0.6100, Val F1 Score: 0.6066

Epoch 23/25, Train Loss: 0.8635, Val Loss: 0.9540, Val Accuracy: 61.50%, Val Precision: 0.6209, Val Recall: 0.6150, Val F1 Score: 0.6130

Epoch 24/25, Train Loss: 0.8346, Val Loss: 0.9546, Val Accuracy: 61.25%, Val Precision: 0.6201, Val Recall: 0.6125, Val F1 Score: 0.6117

Epoch 25/25, Train Loss: 0.8457, Val Loss: 0.9558, Val Accuracy: 61.00%, Val Precision: 0.6162, Val Recall: 0.6100, Val F1 Score: 0.6084

A collage of graphs

Description automatically generated

Test Accuracy: 61.80%, Test Precision: 0.6165, Test Recall: 0.6180, Test F1 Score: 0.6148

Confusion Matrix:

[[63 12 4 14 7]

[16 75 1 2 6]

[ 5 1 77 4 13]

[17 11 5 51 16]

[12 19 8 18 43]]