Epoch 1/25, Train Loss: 1.6002, Val Loss: 1.6051, Val Accuracy: 27.00%, Val Precision: 0.2361, Val Recall: 0.2700, Val F1 Score: 0.2083

Epoch 2/25, Train Loss: 1.5855, Val Loss: 1.5751, Val Accuracy: 33.50%, Val Precision: 0.3245, Val Recall: 0.3350, Val F1 Score: 0.3282

Epoch 3/25, Train Loss: 1.5766, Val Loss: 1.5515, Val Accuracy: 39.00%, Val Precision: 0.4008, Val Recall: 0.3900, Val F1 Score: 0.3808

Epoch 4/25, Train Loss: 1.5581, Val Loss: 1.5348, Val Accuracy: 41.25%, Val Precision: 0.4287, Val Recall: 0.4125, Val F1 Score: 0.3983

Epoch 5/25, Train Loss: 1.5475, Val Loss: 1.5196, Val Accuracy: 45.50%, Val Precision: 0.4665, Val Recall: 0.4550, Val F1 Score: 0.4372

Epoch 6/25, Train Loss: 1.5260, Val Loss: 1.5053, Val Accuracy: 45.50%, Val Precision: 0.4693, Val Recall: 0.4550, Val F1 Score: 0.4358

Epoch 7/25, Train Loss: 1.5209, Val Loss: 1.4905, Val Accuracy: 46.75%, Val Precision: 0.4898, Val Recall: 0.4675, Val F1 Score: 0.4487

Epoch 8/25, Train Loss: 1.5098, Val Loss: 1.4769, Val Accuracy: 47.75%, Val Precision: 0.5050, Val Recall: 0.4775, Val F1 Score: 0.4574

Epoch 9/25, Train Loss: 1.5009, Val Loss: 1.4627, Val Accuracy: 47.75%, Val Precision: 0.5047, Val Recall: 0.4775, Val F1 Score: 0.4561

Epoch 10/25, Train Loss: 1.4777, Val Loss: 1.4487, Val Accuracy: 49.00%, Val Precision: 0.5211, Val Recall: 0.4900, Val F1 Score: 0.4690

Epoch 11/25, Train Loss: 1.4671, Val Loss: 1.4342, Val Accuracy: 48.75%, Val Precision: 0.5117, Val Recall: 0.4875, Val F1 Score: 0.4647

Epoch 12/25, Train Loss: 1.4584, Val Loss: 1.4220, Val Accuracy: 50.50%, Val Precision: 0.5315, Val Recall: 0.5050, Val F1 Score: 0.4814

Epoch 13/25, Train Loss: 1.4443, Val Loss: 1.4072, Val Accuracy: 50.25%, Val Precision: 0.5264, Val Recall: 0.5025, Val F1 Score: 0.4767

Epoch 14/25, Train Loss: 1.4368, Val Loss: 1.3957, Val Accuracy: 50.25%, Val Precision: 0.5379, Val Recall: 0.5025, Val F1 Score: 0.4860

Epoch 15/25, Train Loss: 1.4155, Val Loss: 1.3816, Val Accuracy: 51.00%, Val Precision: 0.5414, Val Recall: 0.5100, Val F1 Score: 0.4919

Epoch 16/25, Train Loss: 1.4079, Val Loss: 1.3691, Val Accuracy: 51.00%, Val Precision: 0.5386, Val Recall: 0.5100, Val F1 Score: 0.4926

Epoch 17/25, Train Loss: 1.4019, Val Loss: 1.3565, Val Accuracy: 51.75%, Val Precision: 0.5439, Val Recall: 0.5175, Val F1 Score: 0.4988

Epoch 18/25, Train Loss: 1.3926, Val Loss: 1.3442, Val Accuracy: 51.75%, Val Precision: 0.5452, Val Recall: 0.5175, Val F1 Score: 0.5002

Epoch 19/25, Train Loss: 1.3813, Val Loss: 1.3327, Val Accuracy: 51.50%, Val Precision: 0.5425, Val Recall: 0.5150, Val F1 Score: 0.4993

Epoch 20/25, Train Loss: 1.3764, Val Loss: 1.3232, Val Accuracy: 51.25%, Val Precision: 0.5337, Val Recall: 0.5125, Val F1 Score: 0.4959

Epoch 21/25, Train Loss: 1.3632, Val Loss: 1.3118, Val Accuracy: 51.75%, Val Precision: 0.5284, Val Recall: 0.5175, Val F1 Score: 0.4987

Epoch 22/25, Train Loss: 1.3525, Val Loss: 1.3021, Val Accuracy: 52.50%, Val Precision: 0.5432, Val Recall: 0.5250, Val F1 Score: 0.5075

Epoch 23/25, Train Loss: 1.3535, Val Loss: 1.2920, Val Accuracy: 52.00%, Val Precision: 0.5360, Val Recall: 0.5200, Val F1 Score: 0.5031

Epoch 24/25, Train Loss: 1.3325, Val Loss: 1.2840, Val Accuracy: 51.25%, Val Precision: 0.5270, Val Recall: 0.5125, Val F1 Score: 0.4969

Epoch 25/25, Train Loss: 1.3210, Val Loss: 1.2749, Val Accuracy: 51.50%, Val Precision: 0.5315, Val Recall: 0.5150, Val F1 Score: 0.4985

A collage of graphs

Description automatically generated

Test Accuracy: 52.60%, Test Precision: 0.5398, Test Recall: 0.5260, Test F1 Score: 0.5055

Confusion Matrix:

[[65 11 8 4 12]

[24 60 3 2 11]

[ 6 4 76 2 12]

[33 18 8 17 24]

[18 20 13 4 45]]