RNN 100 epochs

FOLD 1

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Fold 1, Epoch 1/100, Training Loss: 0.9307, Validation F1-macro: 0.2660

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 2/100, Training Loss: 0.8668, Validation F1-macro: 0.2660

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 3/100, Training Loss: 0.8581, Validation F1-macro: 0.2660

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 4/100, Training Loss: 0.8503, Validation F1-macro: 0.2660

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 5/100, Training Loss: 0.8505, Validation F1-macro: 0.2659

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.998062015503876}

Fold 1, Epoch 6/100, Training Loss: 0.8404, Validation F1-macro: 0.2664

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.998062015503876}

Fold 1, Epoch 7/100, Training Loss: 0.8405, Validation F1-macro: 0.2660

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.9961240310077519}

Fold 1, Epoch 8/100, Training Loss: 0.8441, Validation F1-macro: 0.2659

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.9941860465116279}

Fold 1, Epoch 9/100, Training Loss: 0.8180, Validation F1-macro: 0.3076

Per-Class Accuracy: {0: 0.0782608695652174, 1: 0.00684931506849315, 2: 0.9593023255813954}

Fold 1, Epoch 10/100, Training Loss: 0.8111, Validation F1-macro: 0.2907

Per-Class Accuracy: {0: 0.034782608695652174, 1: 0.00684931506849315, 2: 0.9844961240310077}

Fold 1, Epoch 11/100, Training Loss: 0.7975, Validation F1-macro: 0.3104

Per-Class Accuracy: {0: 0.10434782608695652, 1: 0.00684931506849315, 2: 0.9302325581395349}

Fold 1, Epoch 12/100, Training Loss: 0.7798, Validation F1-macro: 0.3433

Per-Class Accuracy: {0: 0.4, 1: 0.0, 2: 0.7848837209302325}

Fold 1, Epoch 13/100, Training Loss: 0.7551, Validation F1-macro: 0.2897

Per-Class Accuracy: {0: 0.02608695652173913, 1: 0.0136986301369863, 2: 0.9786821705426356}

Fold 1, Epoch 14/100, Training Loss: 0.7410, Validation F1-macro: 0.2871

Per-Class Accuracy: {0: 0.034782608695652174, 1: 0.00684931506849315, 2: 0.9689922480620154}

Fold 1, Epoch 15/100, Training Loss: 0.7028, Validation F1-macro: 0.2921

Per-Class Accuracy: {0: 0.05217391304347826, 1: 0.0, 2: 0.9689922480620154}

Fold 1, Epoch 16/100, Training Loss: 0.6916, Validation F1-macro: 0.3191

Per-Class Accuracy: {0: 0.0782608695652174, 1: 0.02054794520547945, 2: 0.9670542635658915}

Fold 1, Epoch 17/100, Training Loss: 0.6647, Validation F1-macro: 0.3624

Per-Class Accuracy: {0: 0.06086956521739131, 1: 0.14383561643835616, 2: 0.9205426356589147}

Fold 1, Epoch 18/100, Training Loss: 0.6304, Validation F1-macro: 0.3643

Per-Class Accuracy: {0: 0.25217391304347825, 1: 0.03424657534246575, 2: 0.8798449612403101}

Fold 1, Epoch 19/100, Training Loss: 0.6496, Validation F1-macro: 0.3498

Per-Class Accuracy: {0: 0.017391304347826087, 1: 0.1780821917808219, 2: 0.9205426356589147}

Fold 1, Epoch 20/100, Training Loss: 0.6462, Validation F1-macro: 0.3421

Per-Class Accuracy: {0: 0.14782608695652175, 1: 0.02054794520547945, 2: 0.939922480620155}

Fold 1, Epoch 21/100, Training Loss: 0.6488, Validation F1-macro: 0.3509

Per-Class Accuracy: {0: 0.008695652173913044, 1: 0.1780821917808219, 2: 0.937984496124031}

Fold 1, Epoch 22/100, Training Loss: 0.6372, Validation F1-macro: 0.3595

Per-Class Accuracy: {0: 0.017391304347826087, 1: 0.19863013698630136, 2: 0.9205426356589147}

Fold 1, Epoch 23/100, Training Loss: 0.5976, Validation F1-macro: 0.3870

Per-Class Accuracy: {0: 0.2782608695652174, 1: 0.04794520547945205, 2: 0.8934108527131783}

Fold 1, Epoch 24/100, Training Loss: 0.6083, Validation F1-macro: 0.3305

Per-Class Accuracy: {0: 0.16521739130434782, 1: 0.0136986301369863, 2: 0.9069767441860465}

Fold 1, Epoch 25/100, Training Loss: 0.6223, Validation F1-macro: 0.3486

Per-Class Accuracy: {0: 0.02608695652173913, 1: 0.17123287671232876, 2: 0.9069767441860465}

Fold 1, Epoch 26/100, Training Loss: 0.5830, Validation F1-macro: 0.3576

Per-Class Accuracy: {0: 0.21739130434782608, 1: 0.0547945205479452, 2: 0.8507751937984496}

Fold 1, Epoch 27/100, Training Loss: 0.6244, Validation F1-macro: 0.3996

Per-Class Accuracy: {0: 0.09565217391304348, 1: 0.2602739726027397, 2: 0.8507751937984496}

Fold 1, Epoch 28/100, Training Loss: 0.5567, Validation F1-macro: 0.3873

Per-Class Accuracy: {0: 0.2956521739130435, 1: 0.04794520547945205, 2: 0.877906976744186}

Fold 1, Epoch 29/100, Training Loss: 0.5704, Validation F1-macro: 0.3686

Per-Class Accuracy: {0: 0.043478260869565216, 1: 0.2191780821917808, 2: 0.8798449612403101}

Fold 1, Epoch 30/100, Training Loss: 0.5473, Validation F1-macro: 0.3701

Per-Class Accuracy: {0: 0.06956521739130435, 1: 0.1506849315068493, 2: 0.9205426356589147}

Fold 1, Epoch 31/100, Training Loss: 0.5583, Validation F1-macro: 0.3290

Per-Class Accuracy: {0: 0.05217391304347826, 1: 0.07534246575342465, 2: 0.9302325581395349}

Fold 1, Epoch 32/100, Training Loss: 0.5219, Validation F1-macro: 0.3422

Per-Class Accuracy: {0: 0.02608695652173913, 1: 0.1506849315068493, 2: 0.9147286821705426}

Fold 1, Epoch 33/100, Training Loss: 0.5664, Validation F1-macro: 0.3861

Per-Class Accuracy: {0: 0.3130434782608696, 1: 0.0547945205479452, 2: 0.8604651162790697}

Fold 1, Epoch 34/100, Training Loss: 0.5194, Validation F1-macro: 0.3966

Per-Class Accuracy: {0: 0.14782608695652175, 1: 0.1643835616438356, 2: 0.875968992248062}

Fold 1, Epoch 35/100, Training Loss: 0.5315, Validation F1-macro: 0.4141

Per-Class Accuracy: {0: 0.12173913043478261, 1: 0.3082191780821918, 2: 0.8158914728682171}

Fold 1, Epoch 36/100, Training Loss: 0.5484, Validation F1-macro: 0.4011

Per-Class Accuracy: {0: 0.08695652173913043, 1: 0.2602739726027397, 2: 0.8682170542635659}

Fold 1, Epoch 37/100, Training Loss: 0.5282, Validation F1-macro: 0.3745

Per-Class Accuracy: {0: 0.1391304347826087, 1: 0.08904109589041095, 2: 0.9224806201550387}

Fold 1, Epoch 38/100, Training Loss: 0.5348, Validation F1-macro: 0.3593

Per-Class Accuracy: {0: 0.2, 1: 0.04794520547945205, 2: 0.8817829457364341}

Fold 1, Epoch 39/100, Training Loss: 0.5416, Validation F1-macro: 0.4106

Per-Class Accuracy: {0: 0.1391304347826087, 1: 0.3150684931506849, 2: 0.7829457364341085}

Fold 1, Epoch 40/100, Training Loss: 0.5328, Validation F1-macro: 0.4339

Per-Class Accuracy: {0: 0.12173913043478261, 1: 0.3424657534246575, 2: 0.8391472868217055}

Fold 1, Epoch 41/100, Training Loss: 0.5002, Validation F1-macro: 0.4151

Per-Class Accuracy: {0: 0.09565217391304348, 1: 0.3013698630136986, 2: 0.8565891472868217}

Fold 1, Epoch 42/100, Training Loss: 0.4669, Validation F1-macro: 0.4097

Per-Class Accuracy: {0: 0.09565217391304348, 1: 0.3356164383561644, 2: 0.813953488372093}

Fold 1, Epoch 43/100, Training Loss: 0.4744, Validation F1-macro: 0.3865

Per-Class Accuracy: {0: 0.11304347826086956, 1: 0.1780821917808219, 2: 0.875968992248062}

Fold 1, Epoch 44/100, Training Loss: 0.4777, Validation F1-macro: 0.3694

Per-Class Accuracy: {0: 0.0782608695652174, 1: 0.21232876712328766, 2: 0.8352713178294574}

Fold 1, Epoch 45/100, Training Loss: 0.5324, Validation F1-macro: 0.3888

Per-Class Accuracy: {0: 0.06956521739130435, 1: 0.2328767123287671, 2: 0.8856589147286822}

Fold 1, Epoch 46/100, Training Loss: 0.4988, Validation F1-macro: 0.4157

Per-Class Accuracy: {0: 0.10434782608695652, 1: 0.2534246575342466, 2: 0.8856589147286822}

Fold 1, Epoch 47/100, Training Loss: 0.5044, Validation F1-macro: 0.4249

Per-Class Accuracy: {0: 0.11304347826086956, 1: 0.3493150684931507, 2: 0.8197674418604651}

Fold 1, Epoch 48/100, Training Loss: 0.4535, Validation F1-macro: 0.4257

Per-Class Accuracy: {0: 0.2608695652173913, 1: 0.17123287671232876, 2: 0.8410852713178295}

Fold 1, Epoch 49/100, Training Loss: 0.4621, Validation F1-macro: 0.3785

Per-Class Accuracy: {0: 0.22608695652173913, 1: 0.0547945205479452, 2: 0.8992248062015504}

Fold 1, Epoch 50/100, Training Loss: 0.4093, Validation F1-macro: 0.4107

Per-Class Accuracy: {0: 0.30434782608695654, 1: 0.1232876712328767, 2: 0.8255813953488372}

Fold 1, Epoch 51/100, Training Loss: 0.4505, Validation F1-macro: 0.4022

Per-Class Accuracy: {0: 0.21739130434782608, 1: 0.1232876712328767, 2: 0.872093023255814}

Fold 1, Epoch 52/100, Training Loss: 0.4636, Validation F1-macro: 0.3804

Per-Class Accuracy: {0: 0.24347826086956523, 1: 0.07534246575342465, 2: 0.8604651162790697}

Fold 1, Epoch 53/100, Training Loss: 0.4464, Validation F1-macro: 0.4105

Per-Class Accuracy: {0: 0.1565217391304348, 1: 0.2054794520547945, 2: 0.8604651162790697}

Fold 1, Epoch 54/100, Training Loss: 0.4525, Validation F1-macro: 0.4312

Per-Class Accuracy: {0: 0.1391304347826087, 1: 0.3561643835616438, 2: 0.8023255813953488}

Fold 1, Epoch 55/100, Training Loss: 0.4169, Validation F1-macro: 0.4029

Per-Class Accuracy: {0: 0.3565217391304348, 1: 0.2534246575342466, 2: 0.6375968992248062}

Fold 1, Epoch 56/100, Training Loss: 0.4151, Validation F1-macro: 0.4460

Per-Class Accuracy: {0: 0.21739130434782608, 1: 0.3287671232876712, 2: 0.7887596899224806}

Fold 1, Epoch 57/100, Training Loss: 0.4339, Validation F1-macro: 0.4075

Per-Class Accuracy: {0: 0.20869565217391303, 1: 0.14383561643835616, 2: 0.8682170542635659}

Fold 1, Epoch 58/100, Training Loss: 0.4686, Validation F1-macro: 0.3697

Per-Class Accuracy: {0: 0.34782608695652173, 1: 0.00684931506849315, 2: 0.872093023255814}

Fold 1, Epoch 59/100, Training Loss: 0.4344, Validation F1-macro: 0.4026

Per-Class Accuracy: {0: 0.1826086956521739, 1: 0.14383561643835616, 2: 0.8798449612403101}

Fold 1, Epoch 60/100, Training Loss: 0.3855, Validation F1-macro: 0.4109

Per-Class Accuracy: {0: 0.25217391304347825, 1: 0.136986301369863, 2: 0.8391472868217055}

Fold 1, Epoch 61/100, Training Loss: 0.3403, Validation F1-macro: 0.4225

Per-Class Accuracy: {0: 0.25217391304347825, 1: 0.21232876712328766, 2: 0.7965116279069767}

Fold 1, Epoch 62/100, Training Loss: 0.3417, Validation F1-macro: 0.4129

Per-Class Accuracy: {0: 0.24347826086956523, 1: 0.1780821917808219, 2: 0.810077519379845}

Fold 1, Epoch 63/100, Training Loss: 0.3918, Validation F1-macro: 0.4306

Per-Class Accuracy: {0: 0.2, 1: 0.22602739726027396, 2: 0.8449612403100775}

Fold 1, Epoch 64/100, Training Loss: 0.3436, Validation F1-macro: 0.4386

Per-Class Accuracy: {0: 0.19130434782608696, 1: 0.2328767123287671, 2: 0.8624031007751938}

Fold 1, Epoch 65/100, Training Loss: 0.3932, Validation F1-macro: 0.4263

Per-Class Accuracy: {0: 0.17391304347826086, 1: 0.2465753424657534, 2: 0.8391472868217055}

Fold 1, Epoch 66/100, Training Loss: 0.3368, Validation F1-macro: 0.4147

Per-Class Accuracy: {0: 0.2, 1: 0.19863013698630136, 2: 0.8294573643410853}

Fold 1, Epoch 67/100, Training Loss: 0.3451, Validation F1-macro: 0.4495

Per-Class Accuracy: {0: 0.4, 1: 0.17123287671232876, 2: 0.8023255813953488}

Fold 1, Epoch 68/100, Training Loss: 0.3536, Validation F1-macro: 0.4266

Per-Class Accuracy: {0: 0.13043478260869565, 1: 0.3904109589041096, 2: 0.7751937984496124}

Fold 1, Epoch 69/100, Training Loss: 0.3620, Validation F1-macro: 0.4323

Per-Class Accuracy: {0: 0.14782608695652175, 1: 0.2945205479452055, 2: 0.8430232558139535}

Fold 1, Epoch 70/100, Training Loss: 0.3354, Validation F1-macro: 0.4427

Per-Class Accuracy: {0: 0.2, 1: 0.2945205479452055, 2: 0.8158914728682171}

Fold 1, Epoch 71/100, Training Loss: 0.2960, Validation F1-macro: 0.4193

Per-Class Accuracy: {0: 0.11304347826086956, 1: 0.2945205479452055, 2: 0.8468992248062015}

Fold 1, Epoch 72/100, Training Loss: 0.3787, Validation F1-macro: 0.4313

Per-Class Accuracy: {0: 0.23478260869565218, 1: 0.1643835616438356, 2: 0.874031007751938}

Fold 1, Epoch 73/100, Training Loss: 0.3719, Validation F1-macro: 0.4545

Per-Class Accuracy: {0: 0.28695652173913044, 1: 0.2054794520547945, 2: 0.8488372093023255}

Fold 1, Epoch 74/100, Training Loss: 0.3401, Validation F1-macro: 0.4486

Per-Class Accuracy: {0: 0.30434782608695654, 1: 0.2534246575342466, 2: 0.7751937984496124}

Fold 1, Epoch 75/100, Training Loss: 0.3032, Validation F1-macro: 0.4530

Per-Class Accuracy: {0: 0.25217391304347825, 1: 0.2534246575342466, 2: 0.8255813953488372}

Fold 1, Epoch 76/100, Training Loss: 0.2628, Validation F1-macro: 0.4167

Per-Class Accuracy: {0: 0.1826086956521739, 1: 0.21232876712328766, 2: 0.8391472868217055}

Fold 1, Epoch 77/100, Training Loss: 0.2708, Validation F1-macro: 0.4286

Per-Class Accuracy: {0: 0.1826086956521739, 1: 0.2534246575342466, 2: 0.8333333333333334}

Fold 1, Epoch 78/100, Training Loss: 0.2870, Validation F1-macro: 0.4220

Per-Class Accuracy: {0: 0.26956521739130435, 1: 0.15753424657534246, 2: 0.8372093023255814}

Fold 1, Epoch 79/100, Training Loss: 0.2861, Validation F1-macro: 0.4461

Per-Class Accuracy: {0: 0.2956521739130435, 1: 0.2465753424657534, 2: 0.7829457364341085}

Fold 1, Epoch 80/100, Training Loss: 0.3113, Validation F1-macro: 0.4606

Per-Class Accuracy: {0: 0.2608695652173913, 1: 0.2465753424657534, 2: 0.8488372093023255}

Fold 1, Epoch 81/100, Training Loss: 0.2617, Validation F1-macro: 0.4448

Per-Class Accuracy: {0: 0.19130434782608696, 1: 0.2876712328767123, 2: 0.8352713178294574}

Fold 1, Epoch 82/100, Training Loss: 0.2742, Validation F1-macro: 0.4359

Per-Class Accuracy: {0: 0.25217391304347825, 1: 0.3287671232876712, 2: 0.7267441860465116}

Fold 1, Epoch 83/100, Training Loss: 0.2761, Validation F1-macro: 0.4539

Per-Class Accuracy: {0: 0.2, 1: 0.2945205479452055, 2: 0.8449612403100775}

Fold 1, Epoch 84/100, Training Loss: 0.3254, Validation F1-macro: 0.4487

Per-Class Accuracy: {0: 0.3217391304347826, 1: 0.15753424657534246, 2: 0.8604651162790697}

Fold 1, Epoch 85/100, Training Loss: 0.3162, Validation F1-macro: 0.4378

Per-Class Accuracy: {0: 0.19130434782608696, 1: 0.2534246575342466, 2: 0.8468992248062015}

Fold 1, Epoch 86/100, Training Loss: 0.2684, Validation F1-macro: 0.4211

Per-Class Accuracy: {0: 0.1391304347826087, 1: 0.2465753424657534, 2: 0.8643410852713178}

Fold 1, Epoch 87/100, Training Loss: 0.2364, Validation F1-macro: 0.4599

Per-Class Accuracy: {0: 0.26956521739130435, 1: 0.2876712328767123, 2: 0.8081395348837209}

Fold 1, Epoch 88/100, Training Loss: 0.2171, Validation F1-macro: 0.4440

Per-Class Accuracy: {0: 0.24347826086956523, 1: 0.23972602739726026, 2: 0.8275193798449613}

Fold 1, Epoch 89/100, Training Loss: 0.2215, Validation F1-macro: 0.4413

Per-Class Accuracy: {0: 0.23478260869565218, 1: 0.2602739726027397, 2: 0.812015503875969}

Fold 1, Epoch 90/100, Training Loss: 0.2526, Validation F1-macro: 0.4221

Per-Class Accuracy: {0: 0.22608695652173913, 1: 0.2602739726027397, 2: 0.7713178294573644}

Fold 1, Epoch 91/100, Training Loss: 0.6331, Validation F1-macro: 0.4133

Per-Class Accuracy: {0: 0.26956521739130435, 1: 0.11643835616438356, 2: 0.8565891472868217}

Fold 1, Epoch 92/100, Training Loss: 0.3414, Validation F1-macro: 0.4246

Per-Class Accuracy: {0: 0.2782608695652174, 1: 0.1506849315068493, 2: 0.8410852713178295}

Fold 1, Epoch 93/100, Training Loss: 0.2958, Validation F1-macro: 0.4292

Per-Class Accuracy: {0: 0.21739130434782608, 1: 0.21232876712328766, 2: 0.8410852713178295}

Fold 1, Epoch 94/100, Training Loss: 0.2837, Validation F1-macro: 0.4411

Per-Class Accuracy: {0: 0.2608695652173913, 1: 0.2328767123287671, 2: 0.813953488372093}

Fold 1, Epoch 95/100, Training Loss: 0.2279, Validation F1-macro: 0.3977

Per-Class Accuracy: {0: 0.3217391304347826, 1: 0.1232876712328767, 2: 0.7732558139534884}

Fold 1, Epoch 96/100, Training Loss: 0.2602, Validation F1-macro: 0.4303

Per-Class Accuracy: {0: 0.23478260869565218, 1: 0.363013698630137, 2: 0.7015503875968992}

Fold 1, Epoch 97/100, Training Loss: 0.2559, Validation F1-macro: 0.4540

Per-Class Accuracy: {0: 0.22608695652173913, 1: 0.3561643835616438, 2: 0.7713178294573644}

Fold 1, Epoch 98/100, Training Loss: 0.2520, Validation F1-macro: 0.4236

Per-Class Accuracy: {0: 0.22608695652173913, 1: 0.2054794520547945, 2: 0.8255813953488372}

Fold 1, Epoch 99/100, Training Loss: 0.2379, Validation F1-macro: 0.4403

Per-Class Accuracy: {0: 0.28695652173913044, 1: 0.19863013698630136, 2: 0.8275193798449613}

Fold 1, Epoch 100/100, Training Loss: 0.3345, Validation F1-macro: 0.3646

Per-Class Accuracy: {0: 0.23478260869565218, 1: 0.0547945205479452, 2: 0.8546511627906976}

FOLD 2

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Fold 2, Epoch 1/100, Training Loss: 0.9332, Validation F1-macro: 0.2679

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 2/100, Training Loss: 0.8677, Validation F1-macro: 0.2679

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 3/100, Training Loss: 0.8669, Validation F1-macro: 0.2676

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.9980842911877394}

Fold 2, Epoch 4/100, Training Loss: 0.8696, Validation F1-macro: 0.2673

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.9961685823754789}

Fold 2, Epoch 5/100, Training Loss: 0.8513, Validation F1-macro: 0.2722

Per-Class Accuracy: {0: 0.0, 1: 0.007692307692307693, 2: 0.9942528735632183}

Fold 2, Epoch 6/100, Training Loss: 0.8644, Validation F1-macro: 0.2719

Per-Class Accuracy: {0: 0.0, 1: 0.007692307692307693, 2: 0.9923371647509579}

Fold 2, Epoch 7/100, Training Loss: 0.8434, Validation F1-macro: 0.2803

Per-Class Accuracy: {0: 0.016, 1: 0.007692307692307693, 2: 0.9770114942528736}

Fold 2, Epoch 8/100, Training Loss: 0.7980, Validation F1-macro: 0.3062

Per-Class Accuracy: {0: 0.064, 1: 0.015384615384615385, 2: 0.9501915708812261}

Fold 2, Epoch 9/100, Training Loss: 0.7961, Validation F1-macro: 0.3014

Per-Class Accuracy: {0: 0.064, 1: 0.007692307692307693, 2: 0.9521072796934866}

Fold 2, Epoch 10/100, Training Loss: 0.7886, Validation F1-macro: 0.2902

Per-Class Accuracy: {0: 0.032, 1: 0.015384615384615385, 2: 0.9521072796934866}

Fold 2, Epoch 11/100, Training Loss: 0.7643, Validation F1-macro: 0.2999

Per-Class Accuracy: {0: 0.056, 1: 0.015384615384615385, 2: 0.9386973180076629}

Fold 2, Epoch 12/100, Training Loss: 0.7466, Validation F1-macro: 0.3180

Per-Class Accuracy: {0: 0.0, 1: 0.1076923076923077, 2: 0.9559386973180076}

Fold 2, Epoch 13/100, Training Loss: 0.7070, Validation F1-macro: 0.3586

Per-Class Accuracy: {0: 0.2, 1: 0.023076923076923078, 2: 0.9042145593869731}

Fold 2, Epoch 14/100, Training Loss: 0.7257, Validation F1-macro: 0.3166

Per-Class Accuracy: {0: 0.008, 1: 0.1076923076923077, 2: 0.9310344827586207}

Fold 2, Epoch 15/100, Training Loss: 0.7337, Validation F1-macro: 0.3423

Per-Class Accuracy: {0: 0.152, 1: 0.015384615384615385, 2: 0.9252873563218391}

Fold 2, Epoch 16/100, Training Loss: 0.7025, Validation F1-macro: 0.3598

Per-Class Accuracy: {0: 0.208, 1: 0.023076923076923078, 2: 0.9042145593869731}

Fold 2, Epoch 17/100, Training Loss: 0.7194, Validation F1-macro: 0.3193

Per-Class Accuracy: {0: 0.072, 1: 0.023076923076923078, 2: 0.9559386973180076}

Fold 2, Epoch 18/100, Training Loss: 0.7061, Validation F1-macro: 0.3276

Per-Class Accuracy: {0: 0.0, 1: 0.16153846153846155, 2: 0.9176245210727969}

Fold 2, Epoch 19/100, Training Loss: 0.6523, Validation F1-macro: 0.3574

Per-Class Accuracy: {0: 0.208, 1: 0.007692307692307693, 2: 0.9195402298850575}

Fold 2, Epoch 20/100, Training Loss: 0.6668, Validation F1-macro: 0.3651

Per-Class Accuracy: {0: 0.224, 1: 0.023076923076923078, 2: 0.9061302681992337}

Fold 2, Epoch 21/100, Training Loss: 0.6606, Validation F1-macro: 0.2832

Per-Class Accuracy: {0: 0.016, 1: 0.015384615384615385, 2: 0.9578544061302682}

Fold 2, Epoch 22/100, Training Loss: 0.6855, Validation F1-macro: 0.3823

Per-Class Accuracy: {0: 0.176, 1: 0.1, 2: 0.8773946360153256}

Fold 2, Epoch 23/100, Training Loss: 0.6603, Validation F1-macro: 0.4016

Per-Class Accuracy: {0: 0.256, 1: 0.1076923076923077, 2: 0.8448275862068966}

Fold 2, Epoch 24/100, Training Loss: 0.6656, Validation F1-macro: 0.3691

Per-Class Accuracy: {0: 0.144, 1: 0.09230769230769231, 2: 0.8869731800766284}

Fold 2, Epoch 25/100, Training Loss: 0.6902, Validation F1-macro: 0.3406

Per-Class Accuracy: {0: 0.0, 1: 0.2230769230769231, 2: 0.89272030651341}

Fold 2, Epoch 26/100, Training Loss: 0.6849, Validation F1-macro: 0.3315

Per-Class Accuracy: {0: 0.136, 1: 0.007692307692307693, 2: 0.9252873563218391}

Fold 2, Epoch 27/100, Training Loss: 0.6195, Validation F1-macro: 0.3576

Per-Class Accuracy: {0: 0.0, 1: 0.3230769230769231, 2: 0.8544061302681992}

Fold 2, Epoch 28/100, Training Loss: 0.6376, Validation F1-macro: 0.3615

Per-Class Accuracy: {0: 0.168, 1: 0.05384615384615385, 2: 0.89272030651341}

Fold 2, Epoch 29/100, Training Loss: 0.6137, Validation F1-macro: 0.3998

Per-Class Accuracy: {0: 0.32, 1: 0.09230769230769231, 2: 0.8026819923371648}

Fold 2, Epoch 30/100, Training Loss: 0.6189, Validation F1-macro: 0.3746

Per-Class Accuracy: {0: 0.088, 1: 0.2153846153846154, 2: 0.8390804597701149}

Fold 2, Epoch 31/100, Training Loss: 0.6257, Validation F1-macro: 0.3359

Per-Class Accuracy: {0: 0.0, 1: 0.27692307692307694, 2: 0.8218390804597702}

Fold 2, Epoch 32/100, Training Loss: 0.5736, Validation F1-macro: 0.3538

Per-Class Accuracy: {0: 0.072, 1: 0.2153846153846154, 2: 0.7988505747126436}

Fold 2, Epoch 33/100, Training Loss: 0.6031, Validation F1-macro: 0.3635

Per-Class Accuracy: {0: 0.04, 1: 0.24615384615384617, 2: 0.8524904214559387}

Fold 2, Epoch 34/100, Training Loss: 0.5936, Validation F1-macro: 0.3601

Per-Class Accuracy: {0: 0.024, 1: 0.23076923076923078, 2: 0.8869731800766284}

Fold 2, Epoch 35/100, Training Loss: 0.5513, Validation F1-macro: 0.3961

Per-Class Accuracy: {0: 0.256, 1: 0.07692307692307693, 2: 0.8697318007662835}

Fold 2, Epoch 36/100, Training Loss: 0.5815, Validation F1-macro: 0.3983

Per-Class Accuracy: {0: 0.312, 1: 0.08461538461538462, 2: 0.814176245210728}

Fold 2, Epoch 37/100, Training Loss: 0.5993, Validation F1-macro: 0.3995

Per-Class Accuracy: {0: 0.136, 1: 0.2153846153846154, 2: 0.8448275862068966}

Fold 2, Epoch 38/100, Training Loss: 0.5551, Validation F1-macro: 0.4007

Per-Class Accuracy: {0: 0.184, 1: 0.16923076923076924, 2: 0.842911877394636}

Fold 2, Epoch 39/100, Training Loss: 0.5554, Validation F1-macro: 0.3582

Per-Class Accuracy: {0: 0.064, 1: 0.16153846153846155, 2: 0.8831417624521073}

Fold 2, Epoch 40/100, Training Loss: 0.5856, Validation F1-macro: 0.3697

Per-Class Accuracy: {0: 0.088, 1: 0.13076923076923078, 2: 0.9157088122605364}

Fold 2, Epoch 41/100, Training Loss: 0.5624, Validation F1-macro: 0.4221

Per-Class Accuracy: {0: 0.32, 1: 0.14615384615384616, 2: 0.8045977011494253}

Fold 2, Epoch 42/100, Training Loss: 0.5643, Validation F1-macro: 0.4323

Per-Class Accuracy: {0: 0.36, 1: 0.16153846153846155, 2: 0.7854406130268199}

Fold 2, Epoch 43/100, Training Loss: 0.5563, Validation F1-macro: 0.3693

Per-Class Accuracy: {0: 0.2, 1: 0.046153846153846156, 2: 0.8984674329501916}

Fold 2, Epoch 44/100, Training Loss: 0.5823, Validation F1-macro: 0.3705

Per-Class Accuracy: {0: 0.056, 1: 0.25384615384615383, 2: 0.842911877394636}

Fold 2, Epoch 45/100, Training Loss: 0.4930, Validation F1-macro: 0.3852

Per-Class Accuracy: {0: 0.088, 1: 0.2076923076923077, 2: 0.8754789272030651}

Fold 2, Epoch 46/100, Training Loss: 0.4886, Validation F1-macro: 0.3830

Per-Class Accuracy: {0: 0.288, 1: 0.06153846153846154, 2: 0.8333333333333334}

Fold 2, Epoch 47/100, Training Loss: 0.4836, Validation F1-macro: 0.4261

Per-Class Accuracy: {0: 0.312, 1: 0.16923076923076924, 2: 0.7988505747126436}

Fold 2, Epoch 48/100, Training Loss: 0.5075, Validation F1-macro: 0.3717

Per-Class Accuracy: {0: 0.048, 1: 0.23846153846153847, 2: 0.8735632183908046}

Fold 2, Epoch 49/100, Training Loss: 0.4684, Validation F1-macro: 0.4224

Per-Class Accuracy: {0: 0.224, 1: 0.17692307692307693, 2: 0.8524904214559387}

Fold 2, Epoch 50/100, Training Loss: 0.4850, Validation F1-macro: 0.4004

Per-Class Accuracy: {0: 0.216, 1: 0.17692307692307693, 2: 0.7988505747126436}

Fold 2, Epoch 51/100, Training Loss: 0.5053, Validation F1-macro: 0.3883

Per-Class Accuracy: {0: 0.104, 1: 0.2, 2: 0.8697318007662835}

Fold 2, Epoch 52/100, Training Loss: 0.4277, Validation F1-macro: 0.3747

Per-Class Accuracy: {0: 0.136, 1: 0.12307692307692308, 2: 0.8754789272030651}

Fold 2, Epoch 53/100, Training Loss: 0.4638, Validation F1-macro: 0.4159

Per-Class Accuracy: {0: 0.216, 1: 0.12307692307692308, 2: 0.8984674329501916}

Fold 2, Epoch 54/100, Training Loss: 0.4331, Validation F1-macro: 0.4151

Per-Class Accuracy: {0: 0.432, 1: 0.1076923076923077, 2: 0.7586206896551724}

Fold 2, Epoch 55/100, Training Loss: 0.4002, Validation F1-macro: 0.4292

Per-Class Accuracy: {0: 0.336, 1: 0.1076923076923077, 2: 0.8467432950191571}

Fold 2, Epoch 56/100, Training Loss: 0.4137, Validation F1-macro: 0.4316

Per-Class Accuracy: {0: 0.208, 1: 0.2153846153846154, 2: 0.8524904214559387}

Fold 2, Epoch 57/100, Training Loss: 0.3720, Validation F1-macro: 0.3928

Per-Class Accuracy: {0: 0.312, 1: 0.06923076923076923, 2: 0.8160919540229885}

Fold 2, Epoch 58/100, Training Loss: 0.4321, Validation F1-macro: 0.4287

Per-Class Accuracy: {0: 0.264, 1: 0.2923076923076923, 2: 0.7318007662835249}

Fold 2, Epoch 59/100, Training Loss: 0.4608, Validation F1-macro: 0.4074

Per-Class Accuracy: {0: 0.208, 1: 0.13076923076923078, 2: 0.8812260536398467}

Fold 2, Epoch 60/100, Training Loss: 0.4703, Validation F1-macro: 0.3914

Per-Class Accuracy: {0: 0.12, 1: 0.26153846153846155, 2: 0.8026819923371648}

Fold 2, Epoch 61/100, Training Loss: 0.4826, Validation F1-macro: 0.3902

Per-Class Accuracy: {0: 0.176, 1: 0.13076923076923078, 2: 0.8601532567049809}

Fold 2, Epoch 62/100, Training Loss: 0.4772, Validation F1-macro: 0.3850

Per-Class Accuracy: {0: 0.296, 1: 0.03076923076923077, 2: 0.8735632183908046}

Fold 2, Epoch 63/100, Training Loss: 0.4744, Validation F1-macro: 0.3725

Per-Class Accuracy: {0: 0.192, 1: 0.1076923076923077, 2: 0.8275862068965517}

Fold 2, Epoch 64/100, Training Loss: 0.4133, Validation F1-macro: 0.4083

Per-Class Accuracy: {0: 0.312, 1: 0.09230769230769231, 2: 0.8333333333333334}

Fold 2, Epoch 65/100, Training Loss: 0.4477, Validation F1-macro: 0.3887

Per-Class Accuracy: {0: 0.256, 1: 0.08461538461538462, 2: 0.842911877394636}

Fold 2, Epoch 66/100, Training Loss: 0.3697, Validation F1-macro: 0.3989

Per-Class Accuracy: {0: 0.112, 1: 0.3, 2: 0.8026819923371648}

Fold 2, Epoch 67/100, Training Loss: 0.4378, Validation F1-macro: 0.3669

Per-Class Accuracy: {0: 0.352, 1: 0.007692307692307693, 2: 0.8295019157088123}

Fold 2, Epoch 68/100, Training Loss: 0.4790, Validation F1-macro: 0.3983

Per-Class Accuracy: {0: 0.224, 1: 0.2230769230769231, 2: 0.7413793103448276}

Fold 2, Epoch 69/100, Training Loss: 0.4869, Validation F1-macro: 0.4091

Per-Class Accuracy: {0: 0.24, 1: 0.16923076923076924, 2: 0.8065134099616859}

Fold 2, Epoch 70/100, Training Loss: 0.4605, Validation F1-macro: 0.3832

Per-Class Accuracy: {0: 0.216, 1: 0.1076923076923077, 2: 0.8295019157088123}

Fold 2, Epoch 71/100, Training Loss: 0.4056, Validation F1-macro: 0.4200

Per-Class Accuracy: {0: 0.144, 1: 0.36153846153846153, 2: 0.7720306513409961}

Fold 2, Epoch 72/100, Training Loss: 0.3725, Validation F1-macro: 0.3964

Per-Class Accuracy: {0: 0.272, 1: 0.08461538461538462, 2: 0.8352490421455939}

Fold 2, Epoch 73/100, Training Loss: 0.3854, Validation F1-macro: 0.3873

Per-Class Accuracy: {0: 0.144, 1: 0.2153846153846154, 2: 0.8007662835249042}

Fold 2, Epoch 74/100, Training Loss: 0.3757, Validation F1-macro: 0.4272

Per-Class Accuracy: {0: 0.216, 1: 0.3153846153846154, 2: 0.7528735632183908}

Fold 2, Epoch 75/100, Training Loss: 0.3676, Validation F1-macro: 0.3977

Per-Class Accuracy: {0: 0.208, 1: 0.14615384615384616, 2: 0.8237547892720306}

Fold 2, Epoch 76/100, Training Loss: 0.3442, Validation F1-macro: 0.3998

Per-Class Accuracy: {0: 0.272, 1: 0.13076923076923078, 2: 0.7931034482758621}

Fold 2, Epoch 77/100, Training Loss: 0.2975, Validation F1-macro: 0.3952

Per-Class Accuracy: {0: 0.264, 1: 0.08461538461538462, 2: 0.8448275862068966}

Fold 2, Epoch 78/100, Training Loss: 0.3310, Validation F1-macro: 0.4067

Per-Class Accuracy: {0: 0.208, 1: 0.23076923076923078, 2: 0.7739463601532567}

Fold 2, Epoch 79/100, Training Loss: 0.4081, Validation F1-macro: 0.4096

Per-Class Accuracy: {0: 0.24, 1: 0.16923076923076924, 2: 0.8103448275862069}

Fold 2, Epoch 80/100, Training Loss: 0.3184, Validation F1-macro: 0.4148

Per-Class Accuracy: {0: 0.24, 1: 0.19230769230769232, 2: 0.8007662835249042}

Fold 2, Epoch 81/100, Training Loss: 0.2904, Validation F1-macro: 0.4286

Per-Class Accuracy: {0: 0.232, 1: 0.2153846153846154, 2: 0.8180076628352491}

Fold 2, Epoch 82/100, Training Loss: 0.3204, Validation F1-macro: 0.4087

Per-Class Accuracy: {0: 0.224, 1: 0.16923076923076924, 2: 0.8199233716475096}

Fold 2, Epoch 83/100, Training Loss: 0.2890, Validation F1-macro: 0.4062

Per-Class Accuracy: {0: 0.296, 1: 0.1, 2: 0.8314176245210728}

Fold 2, Epoch 84/100, Training Loss: 0.3318, Validation F1-macro: 0.3729

Per-Class Accuracy: {0: 0.136, 1: 0.24615384615384617, 2: 0.7413793103448276}

Fold 2, Epoch 85/100, Training Loss: 0.3219, Validation F1-macro: 0.4204

Per-Class Accuracy: {0: 0.312, 1: 0.14615384615384616, 2: 0.7969348659003831}

Fold 2, Epoch 86/100, Training Loss: 0.3160, Validation F1-macro: 0.4199

Per-Class Accuracy: {0: 0.304, 1: 0.16923076923076924, 2: 0.7854406130268199}

Fold 2, Epoch 87/100, Training Loss: 0.2896, Validation F1-macro: 0.4051

Per-Class Accuracy: {0: 0.256, 1: 0.13076923076923078, 2: 0.8275862068965517}

Fold 2, Epoch 88/100, Training Loss: 0.2700, Validation F1-macro: 0.3963

Per-Class Accuracy: {0: 0.248, 1: 0.08461538461538462, 2: 0.8639846743295019}

Fold 2, Epoch 89/100, Training Loss: 0.2540, Validation F1-macro: 0.4100

Per-Class Accuracy: {0: 0.24, 1: 0.18461538461538463, 2: 0.7988505747126436}

Fold 2, Epoch 90/100, Training Loss: 0.2625, Validation F1-macro: 0.4276

Per-Class Accuracy: {0: 0.232, 1: 0.24615384615384617, 2: 0.789272030651341}

Fold 2, Epoch 91/100, Training Loss: 0.2864, Validation F1-macro: 0.4006

Per-Class Accuracy: {0: 0.232, 1: 0.15384615384615385, 2: 0.8103448275862069}

Fold 2, Epoch 92/100, Training Loss: 0.3176, Validation F1-macro: 0.4063

Per-Class Accuracy: {0: 0.168, 1: 0.38461538461538464, 2: 0.6973180076628352}

Fold 2, Epoch 93/100, Training Loss: 0.3678, Validation F1-macro: 0.3874

Per-Class Accuracy: {0: 0.112, 1: 0.19230769230769232, 2: 0.8639846743295019}

Fold 2, Epoch 94/100, Training Loss: 0.2828, Validation F1-macro: 0.3966

Per-Class Accuracy: {0: 0.216, 1: 0.13076923076923078, 2: 0.8352490421455939}

Fold 2, Epoch 95/100, Training Loss: 0.2807, Validation F1-macro: 0.3880

Per-Class Accuracy: {0: 0.2, 1: 0.19230769230769232, 2: 0.7662835249042146}

Fold 2, Epoch 96/100, Training Loss: 0.2697, Validation F1-macro: 0.3965

Per-Class Accuracy: {0: 0.216, 1: 0.13076923076923078, 2: 0.8371647509578544}

Fold 2, Epoch 97/100, Training Loss: 0.2733, Validation F1-macro: 0.3836

Per-Class Accuracy: {0: 0.168, 1: 0.17692307692307693, 2: 0.8007662835249042}

Fold 2, Epoch 98/100, Training Loss: 0.2540, Validation F1-macro: 0.4114

Per-Class Accuracy: {0: 0.2, 1: 0.2230769230769231, 2: 0.8007662835249042}

Fold 2, Epoch 99/100, Training Loss: 0.2658, Validation F1-macro: 0.4105

Per-Class Accuracy: {0: 0.216, 1: 0.2923076923076923, 2: 0.7279693486590039}

Fold 2, Epoch 100/100, Training Loss: 0.2245, Validation F1-macro: 0.4004

Per-Class Accuracy: {0: 0.192, 1: 0.2076923076923077, 2: 0.7911877394636015}

2fold LSTM

FOLD 1

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Fold 1, Epoch 1/100, Training Loss: 1.0142, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 2/100, Training Loss: 0.8825, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 3/100, Training Loss: 0.8549, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 4/100, Training Loss: 0.8477, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 5/100, Training Loss: 0.8372, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 6/100, Training Loss: 0.8255, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 7/100, Training Loss: 0.8126, Validation F1-macro: 0.2654

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 1, Epoch 8/100, Training Loss: 0.7582, Validation F1-macro: 0.3260

Per-Class Accuracy: {0: 0.1092436974789916, 1: 0.0, 2: 0.9863813229571985}

Fold 1, Epoch 9/100, Training Loss: 0.7130, Validation F1-macro: 0.3718

Per-Class Accuracy: {0: 0.42016806722689076, 1: 0.0, 2: 0.8443579766536965}

Fold 1, Epoch 10/100, Training Loss: 0.6960, Validation F1-macro: 0.3672

Per-Class Accuracy: {0: 0.3277310924369748, 1: 0.0, 2: 0.8910505836575876}

Fold 1, Epoch 11/100, Training Loss: 0.6319, Validation F1-macro: 0.3915

Per-Class Accuracy: {0: 0.3949579831932773, 1: 0.0, 2: 0.9046692607003891}

Fold 1, Epoch 12/100, Training Loss: 0.5740, Validation F1-macro: 0.3765

Per-Class Accuracy: {0: 0.24369747899159663, 1: 0.006944444444444444, 2: 0.9610894941634242}

Fold 1, Epoch 13/100, Training Loss: 0.5554, Validation F1-macro: 0.4030

Per-Class Accuracy: {0: 0.4957983193277311, 1: 0.0, 2: 0.877431906614786}

Fold 1, Epoch 14/100, Training Loss: 0.5019, Validation F1-macro: 0.4056

Per-Class Accuracy: {0: 0.5042016806722689, 1: 0.0, 2: 0.877431906614786}

Fold 1, Epoch 15/100, Training Loss: 0.4413, Validation F1-macro: 0.4590

Per-Class Accuracy: {0: 0.453781512605042, 1: 0.09722222222222222, 2: 0.8793774319066148}

Fold 1, Epoch 16/100, Training Loss: 0.4201, Validation F1-macro: 0.4719

Per-Class Accuracy: {0: 0.226890756302521, 1: 0.2708333333333333, 2: 0.8813229571984436}

Fold 1, Epoch 17/100, Training Loss: 0.4161, Validation F1-macro: 0.3869

Per-Class Accuracy: {0: 0.0, 1: 0.3611111111111111, 2: 0.9007782101167315}

Fold 1, Epoch 18/100, Training Loss: 0.3823, Validation F1-macro: 0.4817

Per-Class Accuracy: {0: 0.46218487394957986, 1: 0.13194444444444445, 2: 0.8754863813229572}

Fold 1, Epoch 19/100, Training Loss: 0.3660, Validation F1-macro: 0.4930

Per-Class Accuracy: {0: 0.37815126050420167, 1: 0.2222222222222222, 2: 0.8618677042801557}

Fold 1, Epoch 20/100, Training Loss: 0.3613, Validation F1-macro: 0.4163

Per-Class Accuracy: {0: 0.1092436974789916, 1: 0.2013888888888889, 2: 0.9357976653696498}

Fold 1, Epoch 21/100, Training Loss: 0.3537, Validation F1-macro: 0.4383

Per-Class Accuracy: {0: 0.1092436974789916, 1: 0.3680555555555556, 2: 0.8560311284046692}

Fold 1, Epoch 22/100, Training Loss: 0.3507, Validation F1-macro: 0.5218

Per-Class Accuracy: {0: 0.3949579831932773, 1: 0.2847222222222222, 2: 0.857976653696498}

Fold 1, Epoch 23/100, Training Loss: 0.3035, Validation F1-macro: 0.4652

Per-Class Accuracy: {0: 0.19327731092436976, 1: 0.3055555555555556, 2: 0.8696498054474708}

Fold 1, Epoch 24/100, Training Loss: 0.3180, Validation F1-macro: 0.4428

Per-Class Accuracy: {0: 0.07563025210084033, 1: 0.4027777777777778, 2: 0.8871595330739299}

Fold 1, Epoch 25/100, Training Loss: 0.3021, Validation F1-macro: 0.4379

Per-Class Accuracy: {0: 0.08403361344537816, 1: 0.4236111111111111, 2: 0.8501945525291829}

Fold 1, Epoch 26/100, Training Loss: 0.2802, Validation F1-macro: 0.4848

Per-Class Accuracy: {0: 0.226890756302521, 1: 0.3888888888888889, 2: 0.8210116731517509}

Fold 1, Epoch 27/100, Training Loss: 0.2631, Validation F1-macro: 0.4912

Per-Class Accuracy: {0: 0.31932773109243695, 1: 0.2916666666666667, 2: 0.8326848249027238}

Fold 1, Epoch 28/100, Training Loss: 0.2474, Validation F1-macro: 0.4618

Per-Class Accuracy: {0: 0.20168067226890757, 1: 0.2361111111111111, 2: 0.9105058365758755}

Fold 1, Epoch 29/100, Training Loss: 0.2488, Validation F1-macro: 0.4954

Per-Class Accuracy: {0: 0.31092436974789917, 1: 0.2847222222222222, 2: 0.8521400778210116}

Fold 1, Epoch 30/100, Training Loss: 0.2590, Validation F1-macro: 0.3870

Per-Class Accuracy: {0: 0.07563025210084033, 1: 0.1527777777777778, 2: 0.9630350194552529}

Fold 1, Epoch 31/100, Training Loss: 0.2718, Validation F1-macro: 0.4704

Per-Class Accuracy: {0: 0.3277310924369748, 1: 0.20833333333333334, 2: 0.8482490272373541}

Fold 1, Epoch 32/100, Training Loss: 0.2061, Validation F1-macro: 0.4636

Per-Class Accuracy: {0: 0.31092436974789917, 1: 0.1736111111111111, 2: 0.8735408560311284}

Fold 1, Epoch 33/100, Training Loss: 0.2165, Validation F1-macro: 0.4703

Per-Class Accuracy: {0: 0.20168067226890757, 1: 0.3819444444444444, 2: 0.8151750972762646}

Fold 1, Epoch 34/100, Training Loss: 0.2070, Validation F1-macro: 0.4957

Per-Class Accuracy: {0: 0.33613445378151263, 1: 0.3888888888888889, 2: 0.754863813229572}

Fold 1, Epoch 35/100, Training Loss: 0.2193, Validation F1-macro: 0.4335

Per-Class Accuracy: {0: 0.10084033613445378, 1: 0.2847222222222222, 2: 0.9182879377431906}

Fold 1, Epoch 36/100, Training Loss: 0.2233, Validation F1-macro: 0.5172

Per-Class Accuracy: {0: 0.3865546218487395, 1: 0.3402777777777778, 2: 0.8054474708171206}

Fold 1, Epoch 37/100, Training Loss: 0.1785, Validation F1-macro: 0.4305

Per-Class Accuracy: {0: 0.06722689075630252, 1: 0.4166666666666667, 2: 0.8599221789883269}

Fold 1, Epoch 38/100, Training Loss: 0.2006, Validation F1-macro: 0.4762

Per-Class Accuracy: {0: 0.21008403361344538, 1: 0.3333333333333333, 2: 0.8560311284046692}

Fold 1, Epoch 39/100, Training Loss: 0.1664, Validation F1-macro: 0.4234

Per-Class Accuracy: {0: 0.10084033613445378, 1: 0.2777777777777778, 2: 0.8988326848249028}

Fold 1, Epoch 40/100, Training Loss: 0.1879, Validation F1-macro: 0.4865

Per-Class Accuracy: {0: 0.2689075630252101, 1: 0.3263888888888889, 2: 0.8287937743190662}

Fold 1, Epoch 41/100, Training Loss: 0.2006, Validation F1-macro: 0.4944

Per-Class Accuracy: {0: 0.3445378151260504, 1: 0.3541666666666667, 2: 0.7723735408560312}

Fold 1, Epoch 42/100, Training Loss: 0.1141, Validation F1-macro: 0.4347

Per-Class Accuracy: {0: 0.13445378151260504, 1: 0.2638888888888889, 2: 0.8929961089494164}

Fold 1, Epoch 43/100, Training Loss: 0.1398, Validation F1-macro: 0.4852

Per-Class Accuracy: {0: 0.24369747899159663, 1: 0.3541666666666667, 2: 0.8385214007782101}

Fold 1, Epoch 44/100, Training Loss: 0.1206, Validation F1-macro: 0.4736

Per-Class Accuracy: {0: 0.23529411764705882, 1: 0.2708333333333333, 2: 0.8754863813229572}

Fold 1, Epoch 45/100, Training Loss: 0.0974, Validation F1-macro: 0.4402

Per-Class Accuracy: {0: 0.15126050420168066, 1: 0.22916666666666666, 2: 0.9202334630350194}

Fold 1, Epoch 46/100, Training Loss: 0.1072, Validation F1-macro: 0.4869

Per-Class Accuracy: {0: 0.3025210084033613, 1: 0.3958333333333333, 2: 0.7509727626459144}

Fold 1, Epoch 47/100, Training Loss: 0.1222, Validation F1-macro: 0.4334

Per-Class Accuracy: {0: 0.13445378151260504, 1: 0.3055555555555556, 2: 0.8540856031128404}

Fold 1, Epoch 48/100, Training Loss: 0.1102, Validation F1-macro: 0.4698

Per-Class Accuracy: {0: 0.226890756302521, 1: 0.4583333333333333, 2: 0.7354085603112841}

Fold 1, Epoch 49/100, Training Loss: 0.1135, Validation F1-macro: 0.4491

Per-Class Accuracy: {0: 0.21008403361344538, 1: 0.2708333333333333, 2: 0.8404669260700389}

Fold 1, Epoch 50/100, Training Loss: 0.0631, Validation F1-macro: 0.4638

Per-Class Accuracy: {0: 0.25210084033613445, 1: 0.20833333333333334, 2: 0.8929961089494164}

Fold 1, Epoch 51/100, Training Loss: 0.0725, Validation F1-macro: 0.4124

Per-Class Accuracy: {0: 0.09243697478991597, 1: 0.2986111111111111, 2: 0.8638132295719845}

Fold 1, Epoch 52/100, Training Loss: 0.0877, Validation F1-macro: 0.4589

Per-Class Accuracy: {0: 0.2689075630252101, 1: 0.2222222222222222, 2: 0.8521400778210116}

Fold 1, Epoch 53/100, Training Loss: 0.1103, Validation F1-macro: 0.4382

Per-Class Accuracy: {0: 0.24369747899159663, 1: 0.3541666666666667, 2: 0.7140077821011673}

Fold 1, Epoch 54/100, Training Loss: 0.1047, Validation F1-macro: 0.4407

Per-Class Accuracy: {0: 0.18487394957983194, 1: 0.3402777777777778, 2: 0.7879377431906615}

Fold 1, Epoch 55/100, Training Loss: 0.0573, Validation F1-macro: 0.4097

Per-Class Accuracy: {0: 0.10084033613445378, 1: 0.2361111111111111, 2: 0.9007782101167315}

Fold 1, Epoch 56/100, Training Loss: 0.1100, Validation F1-macro: 0.4478

Per-Class Accuracy: {0: 0.17647058823529413, 1: 0.25, 2: 0.896887159533074}

Fold 1, Epoch 57/100, Training Loss: 0.0897, Validation F1-macro: 0.4572

Per-Class Accuracy: {0: 0.25210084033613445, 1: 0.24305555555555555, 2: 0.8463035019455253}

Fold 1, Epoch 58/100, Training Loss: 0.0924, Validation F1-macro: 0.4723

Per-Class Accuracy: {0: 0.35294117647058826, 1: 0.19444444444444445, 2: 0.8443579766536965}

Fold 1, Epoch 59/100, Training Loss: 0.0514, Validation F1-macro: 0.4437

Per-Class Accuracy: {0: 0.14285714285714285, 1: 0.3472222222222222, 2: 0.8385214007782101}

Fold 1, Epoch 60/100, Training Loss: 0.0546, Validation F1-macro: 0.4605

Per-Class Accuracy: {0: 0.226890756302521, 1: 0.2638888888888889, 2: 0.8618677042801557}

Fold 1, Epoch 61/100, Training Loss: 0.0390, Validation F1-macro: 0.4486

Per-Class Accuracy: {0: 0.21008403361344538, 1: 0.2222222222222222, 2: 0.8852140077821011}

Fold 1, Epoch 62/100, Training Loss: 0.0382, Validation F1-macro: 0.4366

Per-Class Accuracy: {0: 0.14285714285714285, 1: 0.2847222222222222, 2: 0.8696498054474708}

Fold 1, Epoch 63/100, Training Loss: 0.0293, Validation F1-macro: 0.4713

Per-Class Accuracy: {0: 0.2773109243697479, 1: 0.24305555555555555, 2: 0.8560311284046692}

Fold 1, Epoch 64/100, Training Loss: 0.0368, Validation F1-macro: 0.4238

Per-Class Accuracy: {0: 0.13445378151260504, 1: 0.2152777777777778, 2: 0.914396887159533}

Fold 1, Epoch 65/100, Training Loss: 0.0511, Validation F1-macro: 0.4003

Per-Class Accuracy: {0: 0.08403361344537816, 1: 0.22916666666666666, 2: 0.9066147859922179}

Fold 1, Epoch 66/100, Training Loss: 0.0455, Validation F1-macro: 0.4380

Per-Class Accuracy: {0: 0.20168067226890757, 1: 0.16666666666666666, 2: 0.9163424124513618}

Fold 1, Epoch 67/100, Training Loss: 0.0452, Validation F1-macro: 0.4413

Per-Class Accuracy: {0: 0.15966386554621848, 1: 0.2777777777777778, 2: 0.8696498054474708}

Fold 1, Epoch 68/100, Training Loss: 0.0233, Validation F1-macro: 0.4508

Per-Class Accuracy: {0: 0.15966386554621848, 1: 0.3055555555555556, 2: 0.8696498054474708}

Fold 1, Epoch 69/100, Training Loss: 0.0721, Validation F1-macro: 0.4607

Per-Class Accuracy: {0: 0.36134453781512604, 1: 0.1875, 2: 0.8268482490272373}

Fold 1, Epoch 70/100, Training Loss: 0.0357, Validation F1-macro: 0.4585

Per-Class Accuracy: {0: 0.19327731092436976, 1: 0.3958333333333333, 2: 0.7840466926070039}

Fold 1, Epoch 71/100, Training Loss: 0.0507, Validation F1-macro: 0.4747

Per-Class Accuracy: {0: 0.24369747899159663, 1: 0.2361111111111111, 2: 0.9046692607003891}

Fold 1, Epoch 72/100, Training Loss: 0.0421, Validation F1-macro: 0.4544

Per-Class Accuracy: {0: 0.16806722689075632, 1: 0.3055555555555556, 2: 0.8696498054474708}

Fold 1, Epoch 73/100, Training Loss: 0.0366, Validation F1-macro: 0.4183

Per-Class Accuracy: {0: 0.14285714285714285, 1: 0.18055555555555555, 2: 0.9202334630350194}

Fold 1, Epoch 74/100, Training Loss: 0.0341, Validation F1-macro: 0.4749

Per-Class Accuracy: {0: 0.226890756302521, 1: 0.4097222222222222, 2: 0.7840466926070039}

Fold 1, Epoch 75/100, Training Loss: 0.0434, Validation F1-macro: 0.4579

Per-Class Accuracy: {0: 0.31092436974789917, 1: 0.2152777777777778, 2: 0.8229571984435797}

Fold 1, Epoch 76/100, Training Loss: 0.0321, Validation F1-macro: 0.4514

Per-Class Accuracy: {0: 0.31932773109243695, 1: 0.1875, 2: 0.830739299610895}

Fold 1, Epoch 77/100, Training Loss: 0.0370, Validation F1-macro: 0.4439

Per-Class Accuracy: {0: 0.19327731092436976, 1: 0.2152777777777778, 2: 0.896887159533074}

Fold 1, Epoch 78/100, Training Loss: 0.0209, Validation F1-macro: 0.4487

Per-Class Accuracy: {0: 0.18487394957983194, 1: 0.2777777777777778, 2: 0.857976653696498}

Fold 1, Epoch 79/100, Training Loss: 0.0257, Validation F1-macro: 0.4859

Per-Class Accuracy: {0: 0.3277310924369748, 1: 0.3055555555555556, 2: 0.8073929961089494}

Fold 1, Epoch 80/100, Training Loss: 0.0400, Validation F1-macro: 0.4852

Per-Class Accuracy: {0: 0.29411764705882354, 1: 0.2708333333333333, 2: 0.8521400778210116}

Fold 1, Epoch 81/100, Training Loss: 0.0307, Validation F1-macro: 0.4672

Per-Class Accuracy: {0: 0.2184873949579832, 1: 0.3055555555555556, 2: 0.8501945525291829}

Fold 1, Epoch 82/100, Training Loss: 0.0188, Validation F1-macro: 0.4748

Per-Class Accuracy: {0: 0.2857142857142857, 1: 0.22916666666666666, 2: 0.867704280155642}

Fold 1, Epoch 83/100, Training Loss: 0.0081, Validation F1-macro: 0.4740

Per-Class Accuracy: {0: 0.25210084033613445, 1: 0.25, 2: 0.8754863813229572}

Fold 1, Epoch 84/100, Training Loss: 0.0201, Validation F1-macro: 0.4417

Per-Class Accuracy: {0: 0.16806722689075632, 1: 0.24305555555555555, 2: 0.8910505836575876}

Fold 1, Epoch 85/100, Training Loss: 0.0177, Validation F1-macro: 0.4792

Per-Class Accuracy: {0: 0.3277310924369748, 1: 0.2569444444444444, 2: 0.830739299610895}

Fold 1, Epoch 86/100, Training Loss: 0.0150, Validation F1-macro: 0.4451

Per-Class Accuracy: {0: 0.16806722689075632, 1: 0.22916666666666666, 2: 0.9124513618677043}

Fold 1, Epoch 87/100, Training Loss: 0.0097, Validation F1-macro: 0.4829

Per-Class Accuracy: {0: 0.29411764705882354, 1: 0.24305555555555555, 2: 0.8696498054474708}

Fold 1, Epoch 88/100, Training Loss: 0.0134, Validation F1-macro: 0.4849

Per-Class Accuracy: {0: 0.2773109243697479, 1: 0.2569444444444444, 2: 0.877431906614786}

Fold 1, Epoch 89/100, Training Loss: 0.0072, Validation F1-macro: 0.4693

Per-Class Accuracy: {0: 0.19327731092436976, 1: 0.3194444444444444, 2: 0.867704280155642}

Fold 1, Epoch 90/100, Training Loss: 0.0236, Validation F1-macro: 0.4570

Per-Class Accuracy: {0: 0.18487394957983194, 1: 0.2152777777777778, 2: 0.9357976653696498}

Fold 1, Epoch 91/100, Training Loss: 0.0091, Validation F1-macro: 0.4965

Per-Class Accuracy: {0: 0.31092436974789917, 1: 0.2638888888888889, 2: 0.8696498054474708}

Fold 1, Epoch 92/100, Training Loss: 0.0114, Validation F1-macro: 0.4675

Per-Class Accuracy: {0: 0.19327731092436976, 1: 0.3055555555555556, 2: 0.8735408560311284}

Fold 1, Epoch 93/100, Training Loss: 0.0118, Validation F1-macro: 0.4742

Per-Class Accuracy: {0: 0.23529411764705882, 1: 0.2708333333333333, 2: 0.8813229571984436}

Fold 1, Epoch 94/100, Training Loss: 0.0154, Validation F1-macro: 0.4859

Per-Class Accuracy: {0: 0.29411764705882354, 1: 0.2222222222222222, 2: 0.9027237354085603}

Fold 1, Epoch 95/100, Training Loss: 0.0104, Validation F1-macro: 0.4814

Per-Class Accuracy: {0: 0.25210084033613445, 1: 0.4027777777777778, 2: 0.7782101167315175}

Fold 1, Epoch 96/100, Training Loss: 0.0295, Validation F1-macro: 0.4766

Per-Class Accuracy: {0: 0.2605042016806723, 1: 0.2777777777777778, 2: 0.8540856031128404}

Fold 1, Epoch 97/100, Training Loss: 0.0231, Validation F1-macro: 0.4632

Per-Class Accuracy: {0: 0.23529411764705882, 1: 0.2569444444444444, 2: 0.867704280155642}

Fold 1, Epoch 98/100, Training Loss: 0.0249, Validation F1-macro: 0.4193

Per-Class Accuracy: {0: 0.15126050420168066, 1: 0.18055555555555555, 2: 0.9163424124513618}

Fold 1, Epoch 99/100, Training Loss: 0.0266, Validation F1-macro: 0.4792

Per-Class Accuracy: {0: 0.23529411764705882, 1: 0.2708333333333333, 2: 0.8929961089494164}

Fold 1, Epoch 100/100, Training Loss: 0.0137, Validation F1-macro: 0.4704

Per-Class Accuracy: {0: 0.20168067226890757, 1: 0.24305555555555555, 2: 0.9280155642023347}

FOLD 2

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Fold 2, Epoch 1/100, Training Loss: 1.0289, Validation F1-macro: 0.2685

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 2/100, Training Loss: 0.8926, Validation F1-macro: 0.2685

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 3/100, Training Loss: 0.8729, Validation F1-macro: 0.2685

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 4/100, Training Loss: 0.8641, Validation F1-macro: 0.2685

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 5/100, Training Loss: 0.8557, Validation F1-macro: 0.2685

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 6/100, Training Loss: 0.8344, Validation F1-macro: 0.2685

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 7/100, Training Loss: 0.8122, Validation F1-macro: 0.2687

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 1.0}

Fold 2, Epoch 8/100, Training Loss: 0.7585, Validation F1-macro: 0.2677

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.9923664122137404}

Fold 2, Epoch 9/100, Training Loss: 0.7051, Validation F1-macro: 0.2977

Per-Class Accuracy: {0: 0.01652892561983471, 1: 0.030303030303030304, 2: 0.9866412213740458}

Fold 2, Epoch 10/100, Training Loss: 0.6433, Validation F1-macro: 0.3595

Per-Class Accuracy: {0: 0.14049586776859505, 1: 0.06060606060606061, 2: 0.9122137404580153}

Fold 2, Epoch 11/100, Training Loss: 0.6106, Validation F1-macro: 0.4437

Per-Class Accuracy: {0: 0.36363636363636365, 1: 0.14393939393939395, 2: 0.8377862595419847}

Fold 2, Epoch 12/100, Training Loss: 0.5535, Validation F1-macro: 0.4172

Per-Class Accuracy: {0: 0.4380165289256198, 1: 0.05303030303030303, 2: 0.8416030534351145}

Fold 2, Epoch 13/100, Training Loss: 0.5617, Validation F1-macro: 0.4149

Per-Class Accuracy: {0: 0.4793388429752066, 1: 0.05303030303030303, 2: 0.8091603053435115}

Fold 2, Epoch 14/100, Training Loss: 0.4937, Validation F1-macro: 0.4154

Per-Class Accuracy: {0: 0.36363636363636365, 1: 0.06060606060606061, 2: 0.8683206106870229}

Fold 2, Epoch 15/100, Training Loss: 0.4510, Validation F1-macro: 0.4455

Per-Class Accuracy: {0: 0.256198347107438, 1: 0.14393939393939395, 2: 0.9141221374045801}

Fold 2, Epoch 16/100, Training Loss: 0.4565, Validation F1-macro: 0.4493

Per-Class Accuracy: {0: 0.36363636363636365, 1: 0.14393939393939395, 2: 0.8492366412213741}

Fold 2, Epoch 17/100, Training Loss: 0.4125, Validation F1-macro: 0.4327

Per-Class Accuracy: {0: 0.4628099173553719, 1: 0.07575757575757576, 2: 0.8263358778625954}

Fold 2, Epoch 18/100, Training Loss: 0.4159, Validation F1-macro: 0.4340

Per-Class Accuracy: {0: 0.2892561983471074, 1: 0.12878787878787878, 2: 0.8816793893129771}

Fold 2, Epoch 19/100, Training Loss: 0.3824, Validation F1-macro: 0.4535

Per-Class Accuracy: {0: 0.24793388429752067, 1: 0.25, 2: 0.8435114503816794}

Fold 2, Epoch 20/100, Training Loss: 0.3443, Validation F1-macro: 0.4441

Per-Class Accuracy: {0: 0.1652892561983471, 1: 0.3106060606060606, 2: 0.8530534351145038}

Fold 2, Epoch 21/100, Training Loss: 0.3228, Validation F1-macro: 0.4551

Per-Class Accuracy: {0: 0.32231404958677684, 1: 0.19696969696969696, 2: 0.8396946564885496}

Fold 2, Epoch 22/100, Training Loss: 0.3410, Validation F1-macro: 0.4472

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.19696969696969696, 2: 0.8931297709923665}

Fold 2, Epoch 23/100, Training Loss: 0.3170, Validation F1-macro: 0.4223

Per-Class Accuracy: {0: 0.0743801652892562, 1: 0.3333333333333333, 2: 0.8931297709923665}

Fold 2, Epoch 24/100, Training Loss: 0.3170, Validation F1-macro: 0.4220

Per-Class Accuracy: {0: 0.1652892561983471, 1: 0.2727272727272727, 2: 0.8263358778625954}

Fold 2, Epoch 25/100, Training Loss: 0.2776, Validation F1-macro: 0.4912

Per-Class Accuracy: {0: 0.4049586776859504, 1: 0.25, 2: 0.8187022900763359}

Fold 2, Epoch 26/100, Training Loss: 0.2966, Validation F1-macro: 0.4360

Per-Class Accuracy: {0: 0.1487603305785124, 1: 0.2727272727272727, 2: 0.8816793893129771}

Fold 2, Epoch 27/100, Training Loss: 0.2602, Validation F1-macro: 0.4514

Per-Class Accuracy: {0: 0.17355371900826447, 1: 0.30303030303030304, 2: 0.8664122137404581}

Fold 2, Epoch 28/100, Training Loss: 0.2273, Validation F1-macro: 0.4804

Per-Class Accuracy: {0: 0.4380165289256198, 1: 0.18181818181818182, 2: 0.8301526717557252}

Fold 2, Epoch 29/100, Training Loss: 0.2602, Validation F1-macro: 0.4922

Per-Class Accuracy: {0: 0.45454545454545453, 1: 0.3181818181818182, 2: 0.7290076335877863}

Fold 2, Epoch 30/100, Training Loss: 0.2634, Validation F1-macro: 0.3908

Per-Class Accuracy: {0: 0.09917355371900827, 1: 0.15151515151515152, 2: 0.9370229007633588}

Fold 2, Epoch 31/100, Training Loss: 0.2089, Validation F1-macro: 0.4924

Per-Class Accuracy: {0: 0.3305785123966942, 1: 0.3560606060606061, 2: 0.7919847328244275}

Fold 2, Epoch 32/100, Training Loss: 0.2116, Validation F1-macro: 0.4450

Per-Class Accuracy: {0: 0.1322314049586777, 1: 0.32575757575757575, 2: 0.8759541984732825}

Fold 2, Epoch 33/100, Training Loss: 0.1728, Validation F1-macro: 0.4507

Per-Class Accuracy: {0: 0.18181818181818182, 1: 0.19696969696969696, 2: 0.9408396946564885}

Fold 2, Epoch 34/100, Training Loss: 0.1771, Validation F1-macro: 0.4345

Per-Class Accuracy: {0: 0.10743801652892562, 1: 0.3560606060606061, 2: 0.8606870229007634}

Fold 2, Epoch 35/100, Training Loss: 0.2132, Validation F1-macro: 0.4791

Per-Class Accuracy: {0: 0.32231404958677684, 1: 0.3106060606060606, 2: 0.7938931297709924}

Fold 2, Epoch 36/100, Training Loss: 0.1261, Validation F1-macro: 0.4874

Per-Class Accuracy: {0: 0.19008264462809918, 1: 0.3560606060606061, 2: 0.8893129770992366}

Fold 2, Epoch 37/100, Training Loss: 0.1245, Validation F1-macro: 0.4925

Per-Class Accuracy: {0: 0.2644628099173554, 1: 0.3181818181818182, 2: 0.8625954198473282}

Fold 2, Epoch 38/100, Training Loss: 0.1624, Validation F1-macro: 0.4813

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.4166666666666667, 2: 0.8034351145038168}

Fold 2, Epoch 39/100, Training Loss: 0.1870, Validation F1-macro: 0.4517

Per-Class Accuracy: {0: 0.12396694214876033, 1: 0.3787878787878788, 2: 0.8645038167938931}

Fold 2, Epoch 40/100, Training Loss: 0.1365, Validation F1-macro: 0.4892

Per-Class Accuracy: {0: 0.2892561983471074, 1: 0.3712121212121212, 2: 0.799618320610687}

Fold 2, Epoch 41/100, Training Loss: 0.1389, Validation F1-macro: 0.4425

Per-Class Accuracy: {0: 0.1487603305785124, 1: 0.3712121212121212, 2: 0.8187022900763359}

Fold 2, Epoch 42/100, Training Loss: 0.0844, Validation F1-macro: 0.4820

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.38636363636363635, 2: 0.8263358778625954}

Fold 2, Epoch 43/100, Training Loss: 0.0930, Validation F1-macro: 0.4474

Per-Class Accuracy: {0: 0.21487603305785125, 1: 0.2727272727272727, 2: 0.8320610687022901}

Fold 2, Epoch 44/100, Training Loss: 0.0958, Validation F1-macro: 0.4622

Per-Class Accuracy: {0: 0.2727272727272727, 1: 0.25757575757575757, 2: 0.8301526717557252}

Fold 2, Epoch 45/100, Training Loss: 0.0960, Validation F1-macro: 0.4434

Per-Class Accuracy: {0: 0.14049586776859505, 1: 0.3333333333333333, 2: 0.8549618320610687}

Fold 2, Epoch 46/100, Training Loss: 0.0762, Validation F1-macro: 0.4486

Per-Class Accuracy: {0: 0.18181818181818182, 1: 0.2803030303030303, 2: 0.8625954198473282}

Fold 2, Epoch 47/100, Training Loss: 0.0648, Validation F1-macro: 0.4511

Per-Class Accuracy: {0: 0.1487603305785124, 1: 0.3409090909090909, 2: 0.8606870229007634}

Fold 2, Epoch 48/100, Training Loss: 0.0530, Validation F1-macro: 0.4606

Per-Class Accuracy: {0: 0.1652892561983471, 1: 0.3560606060606061, 2: 0.851145038167939}

Fold 2, Epoch 49/100, Training Loss: 0.0995, Validation F1-macro: 0.4765

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.3484848484848485, 2: 0.8358778625954199}

Fold 2, Epoch 50/100, Training Loss: 0.0692, Validation F1-macro: 0.4647

Per-Class Accuracy: {0: 0.19834710743801653, 1: 0.4621212121212121, 2: 0.7614503816793893}

Fold 2, Epoch 51/100, Training Loss: 0.0574, Validation F1-macro: 0.4838

Per-Class Accuracy: {0: 0.2396694214876033, 1: 0.32575757575757575, 2: 0.8568702290076335}

Fold 2, Epoch 52/100, Training Loss: 0.0576, Validation F1-macro: 0.5003

Per-Class Accuracy: {0: 0.33884297520661155, 1: 0.3106060606060606, 2: 0.8244274809160306}

Fold 2, Epoch 53/100, Training Loss: 0.0363, Validation F1-macro: 0.4743

Per-Class Accuracy: {0: 0.2396694214876033, 1: 0.32575757575757575, 2: 0.8320610687022901}

Fold 2, Epoch 54/100, Training Loss: 0.0371, Validation F1-macro: 0.4766

Per-Class Accuracy: {0: 0.21487603305785125, 1: 0.36363636363636365, 2: 0.833969465648855}

Fold 2, Epoch 55/100, Training Loss: 0.0316, Validation F1-macro: 0.4552

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.4166666666666667, 2: 0.7385496183206107}

Fold 2, Epoch 56/100, Training Loss: 0.0467, Validation F1-macro: 0.4946

Per-Class Accuracy: {0: 0.3305785123966942, 1: 0.3181818181818182, 2: 0.8110687022900763}

Fold 2, Epoch 57/100, Training Loss: 0.0533, Validation F1-macro: 0.4913

Per-Class Accuracy: {0: 0.2892561983471074, 1: 0.3560606060606061, 2: 0.8091603053435115}

Fold 2, Epoch 58/100, Training Loss: 0.0920, Validation F1-macro: 0.4367

Per-Class Accuracy: {0: 0.256198347107438, 1: 0.08333333333333333, 2: 0.9580152671755725}

Fold 2, Epoch 59/100, Training Loss: 0.0648, Validation F1-macro: 0.4598

Per-Class Accuracy: {0: 0.19008264462809918, 1: 0.3409090909090909, 2: 0.8358778625954199}

Fold 2, Epoch 60/100, Training Loss: 0.0597, Validation F1-macro: 0.4194

Per-Class Accuracy: {0: 0.10743801652892562, 1: 0.25, 2: 0.9045801526717557}

Fold 2, Epoch 61/100, Training Loss: 0.0399, Validation F1-macro: 0.4545

Per-Class Accuracy: {0: 0.11570247933884298, 1: 0.4621212121212121, 2: 0.8282442748091603}

Fold 2, Epoch 62/100, Training Loss: 0.0477, Validation F1-macro: 0.4466

Per-Class Accuracy: {0: 0.11570247933884298, 1: 0.3484848484848485, 2: 0.8835877862595419}

Fold 2, Epoch 63/100, Training Loss: 0.0380, Validation F1-macro: 0.4762

Per-Class Accuracy: {0: 0.23140495867768596, 1: 0.4015151515151515, 2: 0.7919847328244275}

Fold 2, Epoch 64/100, Training Loss: 0.0370, Validation F1-macro: 0.4724

Per-Class Accuracy: {0: 0.2809917355371901, 1: 0.24242424242424243, 2: 0.8606870229007634}

Fold 2, Epoch 65/100, Training Loss: 0.0371, Validation F1-macro: 0.4694

Per-Class Accuracy: {0: 0.23140495867768596, 1: 0.3106060606060606, 2: 0.8416030534351145}

Fold 2, Epoch 66/100, Training Loss: 0.0335, Validation F1-macro: 0.4439

Per-Class Accuracy: {0: 0.12396694214876033, 1: 0.2878787878787879, 2: 0.9103053435114504}

Fold 2, Epoch 67/100, Training Loss: 0.0501, Validation F1-macro: 0.4770

Per-Class Accuracy: {0: 0.19834710743801653, 1: 0.3560606060606061, 2: 0.8568702290076335}

Fold 2, Epoch 68/100, Training Loss: 0.0481, Validation F1-macro: 0.4516

Per-Class Accuracy: {0: 0.15702479338842976, 1: 0.29545454545454547, 2: 0.8874045801526718}

Fold 2, Epoch 69/100, Training Loss: 0.0256, Validation F1-macro: 0.4403

Per-Class Accuracy: {0: 0.14049586776859505, 1: 0.30303030303030304, 2: 0.8740458015267175}

Fold 2, Epoch 70/100, Training Loss: 0.0413, Validation F1-macro: 0.4875

Per-Class Accuracy: {0: 0.30578512396694213, 1: 0.24242424242424243, 2: 0.8759541984732825}

Fold 2, Epoch 71/100, Training Loss: 0.0558, Validation F1-macro: 0.4470

Per-Class Accuracy: {0: 0.12396694214876033, 1: 0.3712121212121212, 2: 0.8568702290076335}

Fold 2, Epoch 72/100, Training Loss: 0.0587, Validation F1-macro: 0.4642

Per-Class Accuracy: {0: 0.1652892561983471, 1: 0.4015151515151515, 2: 0.8301526717557252}

Fold 2, Epoch 73/100, Training Loss: 0.0218, Validation F1-macro: 0.4749

Per-Class Accuracy: {0: 0.23140495867768596, 1: 0.29545454545454547, 2: 0.8625954198473282}

Fold 2, Epoch 74/100, Training Loss: 0.0323, Validation F1-macro: 0.4810

Per-Class Accuracy: {0: 0.35537190082644626, 1: 0.4621212121212121, 2: 0.6603053435114504}

Fold 2, Epoch 75/100, Training Loss: 0.0417, Validation F1-macro: 0.5037

Per-Class Accuracy: {0: 0.371900826446281, 1: 0.4318181818181818, 2: 0.7194656488549618}

Fold 2, Epoch 76/100, Training Loss: 0.0802, Validation F1-macro: 0.4963

Per-Class Accuracy: {0: 0.36363636363636365, 1: 0.4772727272727273, 2: 0.6851145038167938}

Fold 2, Epoch 77/100, Training Loss: 0.0382, Validation F1-macro: 0.4486

Per-Class Accuracy: {0: 0.12396694214876033, 1: 0.3333333333333333, 2: 0.8854961832061069}

Fold 2, Epoch 78/100, Training Loss: 0.0351, Validation F1-macro: 0.4627

Per-Class Accuracy: {0: 0.23140495867768596, 1: 0.23484848484848486, 2: 0.8835877862595419}

Fold 2, Epoch 79/100, Training Loss: 0.0219, Validation F1-macro: 0.4599

Per-Class Accuracy: {0: 0.18181818181818182, 1: 0.3409090909090909, 2: 0.8435114503816794}

Fold 2, Epoch 80/100, Training Loss: 0.0179, Validation F1-macro: 0.4550

Per-Class Accuracy: {0: 0.19008264462809918, 1: 0.26515151515151514, 2: 0.8778625954198473}

Fold 2, Epoch 81/100, Training Loss: 0.0099, Validation F1-macro: 0.4290

Per-Class Accuracy: {0: 0.09917355371900827, 1: 0.32575757575757575, 2: 0.8759541984732825}

Fold 2, Epoch 82/100, Training Loss: 0.0169, Validation F1-macro: 0.4823

Per-Class Accuracy: {0: 0.256198347107438, 1: 0.3787878787878788, 2: 0.7977099236641222}

Fold 2, Epoch 83/100, Training Loss: 0.0270, Validation F1-macro: 0.4382

Per-Class Accuracy: {0: 0.19008264462809918, 1: 0.2196969696969697, 2: 0.8778625954198473}

Fold 2, Epoch 84/100, Training Loss: 0.0426, Validation F1-macro: 0.4332

Per-Class Accuracy: {0: 0.12396694214876033, 1: 0.2727272727272727, 2: 0.8969465648854962}

Fold 2, Epoch 85/100, Training Loss: 0.0319, Validation F1-macro: 0.4862

Per-Class Accuracy: {0: 0.2809917355371901, 1: 0.3409090909090909, 2: 0.8148854961832062}

Fold 2, Epoch 86/100, Training Loss: 0.0077, Validation F1-macro: 0.4893

Per-Class Accuracy: {0: 0.30578512396694213, 1: 0.3712121212121212, 2: 0.7805343511450382}

Fold 2, Epoch 87/100, Training Loss: 0.0146, Validation F1-macro: 0.4401

Per-Class Accuracy: {0: 0.1322314049586777, 1: 0.3409090909090909, 2: 0.851145038167939}

Fold 2, Epoch 88/100, Training Loss: 0.0209, Validation F1-macro: 0.4498

Per-Class Accuracy: {0: 0.1652892561983471, 1: 0.3181818181818182, 2: 0.8530534351145038}

Fold 2, Epoch 89/100, Training Loss: 0.0134, Validation F1-macro: 0.4701

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.4393939393939394, 2: 0.7595419847328244}

Fold 2, Epoch 90/100, Training Loss: 0.0371, Validation F1-macro: 0.4727

Per-Class Accuracy: {0: 0.2892561983471074, 1: 0.5075757575757576, 2: 0.6622137404580153}

Fold 2, Epoch 91/100, Training Loss: 0.0637, Validation F1-macro: 0.4734

Per-Class Accuracy: {0: 0.2892561983471074, 1: 0.3181818181818182, 2: 0.7977099236641222}

Fold 2, Epoch 92/100, Training Loss: 0.0316, Validation F1-macro: 0.4561

Per-Class Accuracy: {0: 0.11570247933884298, 1: 0.38636363636363635, 2: 0.8778625954198473}

Fold 2, Epoch 93/100, Training Loss: 0.0140, Validation F1-macro: 0.4584

Per-Class Accuracy: {0: 0.14049586776859505, 1: 0.3939393939393939, 2: 0.851145038167939}

Fold 2, Epoch 94/100, Training Loss: 0.0309, Validation F1-macro: 0.4978

Per-Class Accuracy: {0: 0.30578512396694213, 1: 0.4090909090909091, 2: 0.7805343511450382}

Fold 2, Epoch 95/100, Training Loss: 0.0231, Validation F1-macro: 0.4701

Per-Class Accuracy: {0: 0.2231404958677686, 1: 0.3787878787878788, 2: 0.8015267175572519}

Fold 2, Epoch 96/100, Training Loss: 0.0312, Validation F1-macro: 0.3823

Per-Class Accuracy: {0: 0.008264462809917356, 1: 0.30303030303030304, 2: 0.9141221374045801}

Fold 2, Epoch 97/100, Training Loss: 0.1197, Validation F1-macro: 0.4519

Per-Class Accuracy: {0: 0.24793388429752067, 1: 0.25, 2: 0.8358778625954199}

Fold 2, Epoch 98/100, Training Loss: 0.0624, Validation F1-macro: 0.4184

Per-Class Accuracy: {0: 0.11570247933884298, 1: 0.2803030303030303, 2: 0.8625954198473282}

Fold 2, Epoch 99/100, Training Loss: 0.0277, Validation F1-macro: 0.4216

Per-Class Accuracy: {0: 0.10743801652892562, 1: 0.3181818181818182, 2: 0.851145038167939}

Fold 2, Epoch 100/100, Training Loss: 0.0347, Validation F1-macro: 0.4476

Per-Class Accuracy: {0: 0.2066115702479339, 1: 0.23484848484848486, 2: 0.8778625954198473}

RNN 2fold augmented

FOLD 1

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Fold 1, Epoch 1/70, Training Loss: 1.0513, Validation F1-macro: 0.2191

Per-Class Accuracy: {0: 0.0, 1: 0.0034482758620689655, 2: 1.0}

Fold 1, Epoch 2/70, Training Loss: 1.0359, Validation F1-macro: 0.2261

Per-Class Accuracy: {0: 0.003861003861003861, 1: 0.010344827586206896, 2: 0.9960629921259843}

Fold 1, Epoch 3/70, Training Loss: 1.0256, Validation F1-macro: 0.2288

Per-Class Accuracy: {0: 0.003861003861003861, 1: 0.013793103448275862, 2: 0.9980314960629921}

Fold 1, Epoch 4/70, Training Loss: 1.0255, Validation F1-macro: 0.2309

Per-Class Accuracy: {0: 0.007722007722007722, 1: 0.013793103448275862, 2: 0.9940944881889764}

Fold 1, Epoch 5/70, Training Loss: 1.0116, Validation F1-macro: 0.2424

Per-Class Accuracy: {0: 0.007722007722007722, 1: 0.034482758620689655, 2: 0.9822834645669292}

Fold 1, Epoch 6/70, Training Loss: 1.0000, Validation F1-macro: 0.2605

Per-Class Accuracy: {0: 0.05019305019305019, 1: 0.020689655172413793, 2: 0.9783464566929134}

Fold 1, Epoch 7/70, Training Loss: 0.9850, Validation F1-macro: 0.2920

Per-Class Accuracy: {0: 0.0694980694980695, 1: 0.05517241379310345, 2: 0.9645669291338582}

Fold 1, Epoch 8/70, Training Loss: 0.9630, Validation F1-macro: 0.3257

Per-Class Accuracy: {0: 0.11196911196911197, 1: 0.08620689655172414, 2: 0.9291338582677166}

Fold 1, Epoch 9/70, Training Loss: 0.9183, Validation F1-macro: 0.3981

Per-Class Accuracy: {0: 0.32432432432432434, 1: 0.08620689655172414, 2: 0.8818897637795275}

Fold 1, Epoch 10/70, Training Loss: 0.8738, Validation F1-macro: 0.3978

Per-Class Accuracy: {0: 0.38223938223938225, 1: 0.06206896551724138, 2: 0.8740157480314961}

Fold 1, Epoch 11/70, Training Loss: 0.8596, Validation F1-macro: 0.4813

Per-Class Accuracy: {0: 0.2548262548262548, 1: 0.39655172413793105, 2: 0.7952755905511811}

Fold 1, Epoch 12/70, Training Loss: 0.8222, Validation F1-macro: 0.4990

Per-Class Accuracy: {0: 0.28185328185328185, 1: 0.4896551724137931, 2: 0.7244094488188977}

Fold 1, Epoch 13/70, Training Loss: 0.8382, Validation F1-macro: 0.4715

Per-Class Accuracy: {0: 0.1969111969111969, 1: 0.6551724137931034, 2: 0.6181102362204725}

Fold 1, Epoch 14/70, Training Loss: 0.7933, Validation F1-macro: 0.4854

Per-Class Accuracy: {0: 0.4092664092664093, 1: 0.2793103448275862, 2: 0.7755905511811023}

Fold 1, Epoch 15/70, Training Loss: 0.7354, Validation F1-macro: 0.4577

Per-Class Accuracy: {0: 0.61003861003861, 1: 0.12413793103448276, 2: 0.75}

Fold 1, Epoch 16/70, Training Loss: 0.7417, Validation F1-macro: 0.5058

Per-Class Accuracy: {0: 0.2471042471042471, 1: 0.4586206896551724, 2: 0.8110236220472441}

Fold 1, Epoch 17/70, Training Loss: 0.7023, Validation F1-macro: 0.5468

Per-Class Accuracy: {0: 0.444015444015444, 1: 0.42758620689655175, 2: 0.7539370078740157}

Fold 1, Epoch 18/70, Training Loss: 0.6804, Validation F1-macro: 0.5168

Per-Class Accuracy: {0: 0.5444015444015444, 1: 0.39655172413793105, 2: 0.6279527559055118}

Fold 1, Epoch 19/70, Training Loss: 0.6779, Validation F1-macro: 0.5611

Per-Class Accuracy: {0: 0.46332046332046334, 1: 0.5103448275862069, 2: 0.702755905511811}

Fold 1, Epoch 20/70, Training Loss: 0.6647, Validation F1-macro: 0.5288

Per-Class Accuracy: {0: 0.39768339768339767, 1: 0.3482758620689655, 2: 0.8248031496062992}

Fold 1, Epoch 21/70, Training Loss: 0.6242, Validation F1-macro: 0.4961

Per-Class Accuracy: {0: 0.3281853281853282, 1: 0.31724137931034485, 2: 0.8366141732283464}

Fold 1, Epoch 22/70, Training Loss: 0.6195, Validation F1-macro: 0.5011

Per-Class Accuracy: {0: 0.38223938223938225, 1: 0.2655172413793103, 2: 0.8543307086614174}

Fold 1, Epoch 23/70, Training Loss: 0.5840, Validation F1-macro: 0.5811

Per-Class Accuracy: {0: 0.44787644787644787, 1: 0.4689655172413793, 2: 0.7933070866141733}

Fold 1, Epoch 24/70, Training Loss: 0.5806, Validation F1-macro: 0.5647

Per-Class Accuracy: {0: 0.4594594594594595, 1: 0.39655172413793105, 2: 0.812992125984252}

Fold 1, Epoch 25/70, Training Loss: 0.5860, Validation F1-macro: 0.5586

Per-Class Accuracy: {0: 0.44015444015444016, 1: 0.496551724137931, 2: 0.7244094488188977}

Fold 1, Epoch 26/70, Training Loss: 0.5633, Validation F1-macro: 0.5929

Per-Class Accuracy: {0: 0.4594594594594595, 1: 0.496551724137931, 2: 0.7933070866141733}

Fold 1, Epoch 27/70, Training Loss: 0.5414, Validation F1-macro: 0.5585

Per-Class Accuracy: {0: 0.5019305019305019, 1: 0.4068965517241379, 2: 0.7578740157480315}

Fold 1, Epoch 28/70, Training Loss: 0.5329, Validation F1-macro: 0.5842

Per-Class Accuracy: {0: 0.61003861003861, 1: 0.3931034482758621, 2: 0.7559055118110236}

Fold 1, Epoch 29/70, Training Loss: 0.5190, Validation F1-macro: 0.5837

Per-Class Accuracy: {0: 0.49034749034749037, 1: 0.4586206896551724, 2: 0.7834645669291339}

Fold 1, Epoch 30/70, Training Loss: 0.5290, Validation F1-macro: 0.5877

Per-Class Accuracy: {0: 0.47104247104247104, 1: 0.49310344827586206, 2: 0.7775590551181102}

Fold 1, Epoch 31/70, Training Loss: 0.4997, Validation F1-macro: 0.5398

Per-Class Accuracy: {0: 0.7335907335907336, 1: 0.3413793103448276, 2: 0.610236220472441}

Fold 1, Epoch 32/70, Training Loss: 0.4661, Validation F1-macro: 0.6017

Per-Class Accuracy: {0: 0.5328185328185329, 1: 0.5448275862068965, 2: 0.7204724409448819}

Fold 1, Epoch 33/70, Training Loss: 0.4901, Validation F1-macro: 0.5977

Per-Class Accuracy: {0: 0.5366795366795367, 1: 0.46206896551724136, 2: 0.7716535433070866}

Fold 1, Epoch 34/70, Training Loss: 0.4956, Validation F1-macro: 0.5993

Per-Class Accuracy: {0: 0.5135135135135135, 1: 0.6, 2: 0.687007874015748}

Fold 1, Epoch 35/70, Training Loss: 0.4392, Validation F1-macro: 0.5929

Per-Class Accuracy: {0: 0.5212355212355212, 1: 0.3931034482758621, 2: 0.8405511811023622}

Fold 1, Epoch 36/70, Training Loss: 0.4518, Validation F1-macro: 0.6188

Per-Class Accuracy: {0: 0.5212355212355212, 1: 0.5172413793103449, 2: 0.7913385826771654}

Fold 1, Epoch 37/70, Training Loss: 0.4429, Validation F1-macro: 0.6086

Per-Class Accuracy: {0: 0.5675675675675675, 1: 0.5655172413793104, 2: 0.6968503937007874}

Fold 1, Epoch 38/70, Training Loss: 0.5020, Validation F1-macro: 0.5911

Per-Class Accuracy: {0: 0.5096525096525096, 1: 0.5310344827586206, 2: 0.7204724409448819}

Fold 1, Epoch 39/70, Training Loss: 0.4211, Validation F1-macro: 0.6202

Per-Class Accuracy: {0: 0.6023166023166023, 1: 0.46551724137931033, 2: 0.781496062992126}

Fold 1, Epoch 40/70, Training Loss: 0.3837, Validation F1-macro: 0.6240

Per-Class Accuracy: {0: 0.6525096525096525, 1: 0.5586206896551724, 2: 0.6791338582677166}

Fold 1, Epoch 41/70, Training Loss: 0.3825, Validation F1-macro: 0.6036

Per-Class Accuracy: {0: 0.5444015444015444, 1: 0.5724137931034483, 2: 0.6929133858267716}

Fold 1, Epoch 42/70, Training Loss: 0.3589, Validation F1-macro: 0.6333

Per-Class Accuracy: {0: 0.583011583011583, 1: 0.46551724137931033, 2: 0.8287401574803149}

Fold 1, Epoch 43/70, Training Loss: 0.4011, Validation F1-macro: 0.6201

Per-Class Accuracy: {0: 0.5791505791505791, 1: 0.6310344827586207, 2: 0.6633858267716536}

Fold 1, Epoch 44/70, Training Loss: 0.3890, Validation F1-macro: 0.6037

Per-Class Accuracy: {0: 0.5366795366795367, 1: 0.4586206896551724, 2: 0.7913385826771654}

Fold 1, Epoch 45/70, Training Loss: 0.4206, Validation F1-macro: 0.6255

Per-Class Accuracy: {0: 0.637065637065637, 1: 0.47586206896551725, 2: 0.765748031496063}

Fold 1, Epoch 46/70, Training Loss: 0.3845, Validation F1-macro: 0.6475

Per-Class Accuracy: {0: 0.5637065637065637, 1: 0.5344827586206896, 2: 0.8169291338582677}

Fold 1, Epoch 47/70, Training Loss: 0.3541, Validation F1-macro: 0.6273

Per-Class Accuracy: {0: 0.6023166023166023, 1: 0.503448275862069, 2: 0.7618110236220472}

Fold 1, Epoch 48/70, Training Loss: 0.3774, Validation F1-macro: 0.6235

Per-Class Accuracy: {0: 0.6138996138996139, 1: 0.4896551724137931, 2: 0.7618110236220472}

Fold 1, Epoch 49/70, Training Loss: 0.3253, Validation F1-macro: 0.6225

Per-Class Accuracy: {0: 0.583011583011583, 1: 0.6551724137931034, 2: 0.6476377952755905}

Fold 1, Epoch 50/70, Training Loss: 0.3637, Validation F1-macro: 0.6383

Per-Class Accuracy: {0: 0.5868725868725869, 1: 0.5137931034482759, 2: 0.797244094488189}

Fold 1, Epoch 51/70, Training Loss: 0.2925, Validation F1-macro: 0.5983

Per-Class Accuracy: {0: 0.5521235521235521, 1: 0.3931034482758621, 2: 0.8326771653543307}

Fold 1, Epoch 52/70, Training Loss: 0.4185, Validation F1-macro: 0.6215

Per-Class Accuracy: {0: 0.5598455598455598, 1: 0.5793103448275863, 2: 0.7165354330708661}

Fold 1, Epoch 53/70, Training Loss: 0.3389, Validation F1-macro: 0.6240

Per-Class Accuracy: {0: 0.6602316602316602, 1: 0.5275862068965518, 2: 0.7007874015748031}

Fold 1, Epoch 54/70, Training Loss: 0.3140, Validation F1-macro: 0.6582

Per-Class Accuracy: {0: 0.6563706563706564, 1: 0.5655172413793104, 2: 0.7519685039370079}

Fold 1, Epoch 55/70, Training Loss: 0.3188, Validation F1-macro: 0.6524

Per-Class Accuracy: {0: 0.6988416988416989, 1: 0.5793103448275863, 2: 0.7007874015748031}

Fold 1, Epoch 56/70, Training Loss: 0.2883, Validation F1-macro: 0.6702

Per-Class Accuracy: {0: 0.6447876447876448, 1: 0.5793103448275863, 2: 0.7795275590551181}

Fold 1, Epoch 57/70, Training Loss: 0.3242, Validation F1-macro: 0.6512

Per-Class Accuracy: {0: 0.640926640926641, 1: 0.49310344827586206, 2: 0.8051181102362205}

Fold 1, Epoch 58/70, Training Loss: 0.3085, Validation F1-macro: 0.6308

Per-Class Accuracy: {0: 0.4864864864864865, 1: 0.6310344827586207, 2: 0.7696850393700787}

Fold 1, Epoch 59/70, Training Loss: 0.2901, Validation F1-macro: 0.6195

Per-Class Accuracy: {0: 0.6332046332046332, 1: 0.496551724137931, 2: 0.734251968503937}

Fold 1, Epoch 60/70, Training Loss: 0.2622, Validation F1-macro: 0.6565

Per-Class Accuracy: {0: 0.5598455598455598, 1: 0.5655172413793104, 2: 0.8149606299212598}

Fold 1, Epoch 61/70, Training Loss: 0.2498, Validation F1-macro: 0.6491

Per-Class Accuracy: {0: 0.6525096525096525, 1: 0.506896551724138, 2: 0.7854330708661418}

Fold 1, Epoch 62/70, Training Loss: 0.3528, Validation F1-macro: 0.6028

Per-Class Accuracy: {0: 0.6138996138996139, 1: 0.6275862068965518, 2: 0.5964566929133859}

Fold 1, Epoch 63/70, Training Loss: 0.2935, Validation F1-macro: 0.6506

Per-Class Accuracy: {0: 0.5907335907335908, 1: 0.49310344827586206, 2: 0.8346456692913385}

Fold 1, Epoch 64/70, Training Loss: 0.2919, Validation F1-macro: 0.6475

Per-Class Accuracy: {0: 0.6254826254826255, 1: 0.5517241379310345, 2: 0.7559055118110236}

Fold 1, Epoch 65/70, Training Loss: 0.2354, Validation F1-macro: 0.6554

Per-Class Accuracy: {0: 0.667953667953668, 1: 0.5620689655172414, 2: 0.7381889763779528}

Fold 1, Epoch 66/70, Training Loss: 0.2257, Validation F1-macro: 0.6336

Per-Class Accuracy: {0: 0.5984555984555985, 1: 0.5793103448275863, 2: 0.7224409448818898}

Fold 1, Epoch 67/70, Training Loss: 0.2196, Validation F1-macro: 0.6516

Per-Class Accuracy: {0: 0.640926640926641, 1: 0.5448275862068965, 2: 0.7677165354330708}

Fold 1, Epoch 68/70, Training Loss: 0.2616, Validation F1-macro: 0.6333

Per-Class Accuracy: {0: 0.6254826254826255, 1: 0.5137931034482759, 2: 0.7578740157480315}

Fold 1, Epoch 69/70, Training Loss: 0.2097, Validation F1-macro: 0.6504

Per-Class Accuracy: {0: 0.6138996138996139, 1: 0.5758620689655173, 2: 0.7559055118110236}

Fold 1, Epoch 70/70, Training Loss: 0.2157, Validation F1-macro: 0.6686

Per-Class Accuracy: {0: 0.5714285714285714, 1: 0.5758620689655173, 2: 0.8228346456692913}

FOLD 2

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Fold 2, Epoch 1/70, Training Loss: 1.0483, Validation F1-macro: 0.2228

Per-Class Accuracy: {0: 0.0, 1: 0.0, 2: 0.9981132075471698}

Fold 2, Epoch 2/70, Training Loss: 1.0596, Validation F1-macro: 0.2274

Per-Class Accuracy: {0: 0.00411522633744856, 1: 0.0035335689045936395, 2: 0.9924528301886792}

Fold 2, Epoch 3/70, Training Loss: 1.0401, Validation F1-macro: 0.2247

Per-Class Accuracy: {0: 0.0, 1: 0.0035335689045936395, 2: 0.9924528301886792}

Fold 2, Epoch 4/70, Training Loss: 1.0693, Validation F1-macro: 0.2246

Per-Class Accuracy: {0: 0.0, 1: 0.0035335689045936395, 2: 0.9924528301886792}

Fold 2, Epoch 5/70, Training Loss: 1.0264, Validation F1-macro: 0.2252

Per-Class Accuracy: {0: 0.00411522633744856, 1: 0.0, 2: 0.9924528301886792}

Fold 2, Epoch 6/70, Training Loss: 1.0607, Validation F1-macro: 0.2280

Per-Class Accuracy: {0: 0.00823045267489712, 1: 0.0, 2: 0.9943396226415094}

Fold 2, Epoch 7/70, Training Loss: 1.0107, Validation F1-macro: 0.2337

Per-Class Accuracy: {0: 0.00823045267489712, 1: 0.01060070671378092, 2: 0.9811320754716981}

Fold 2, Epoch 8/70, Training Loss: 1.0013, Validation F1-macro: 0.2379

Per-Class Accuracy: {0: 0.012345679012345678, 1: 0.014134275618374558, 2: 0.9735849056603774}

Fold 2, Epoch 9/70, Training Loss: 1.0187, Validation F1-macro: 0.2484

Per-Class Accuracy: {0: 0.03292181069958848, 1: 0.01060070671378092, 2: 0.9716981132075472}

Fold 2, Epoch 10/70, Training Loss: 1.0373, Validation F1-macro: 0.2429

Per-Class Accuracy: {0: 0.012345679012345678, 1: 0.02120141342756184, 2: 0.9773584905660377}

Fold 2, Epoch 11/70, Training Loss: 0.9639, Validation F1-macro: 0.3308

Per-Class Accuracy: {0: 0.6049382716049383, 1: 0.01060070671378092, 2: 0.5849056603773585}

Fold 2, Epoch 12/70, Training Loss: 0.9958, Validation F1-macro: 0.3784

Per-Class Accuracy: {0: 0.5349794238683128, 1: 0.038869257950530034, 2: 0.7150943396226415}

Fold 2, Epoch 13/70, Training Loss: 0.9590, Validation F1-macro: 0.3260

Per-Class Accuracy: {0: 0.1522633744855967, 1: 0.03180212014134275, 2: 0.9622641509433962}

Fold 2, Epoch 14/70, Training Loss: 0.9133, Validation F1-macro: 0.3980

Per-Class Accuracy: {0: 0.4773662551440329, 1: 0.045936395759717315, 2: 0.8075471698113208}

Fold 2, Epoch 15/70, Training Loss: 0.9096, Validation F1-macro: 0.4424

Per-Class Accuracy: {0: 0.43621399176954734, 1: 0.19434628975265017, 2: 0.7264150943396226}

Fold 2, Epoch 16/70, Training Loss: 0.8718, Validation F1-macro: 0.4437

Per-Class Accuracy: {0: 0.3045267489711934, 1: 0.24028268551236748, 2: 0.7924528301886793}

Fold 2, Epoch 17/70, Training Loss: 0.8714, Validation F1-macro: 0.4446

Per-Class Accuracy: {0: 0.4156378600823045, 1: 0.14487632508833923, 2: 0.8226415094339623}

Fold 2, Epoch 18/70, Training Loss: 0.8680, Validation F1-macro: 0.4499

Per-Class Accuracy: {0: 0.5637860082304527, 1: 0.12014134275618374, 2: 0.7641509433962265}

Fold 2, Epoch 19/70, Training Loss: 0.8886, Validation F1-macro: 0.4607

Per-Class Accuracy: {0: 0.5349794238683128, 1: 0.14840989399293286, 2: 0.7679245283018868}

Fold 2, Epoch 20/70, Training Loss: 0.8394, Validation F1-macro: 0.4515

Per-Class Accuracy: {0: 0.3374485596707819, 1: 0.18374558303886926, 2: 0.8603773584905661}

Fold 2, Epoch 21/70, Training Loss: 0.7999, Validation F1-macro: 0.3853

Per-Class Accuracy: {0: 0.06584362139917696, 1: 0.3250883392226148, 2: 0.8528301886792453}

Fold 2, Epoch 22/70, Training Loss: 0.8645, Validation F1-macro: 0.4548

Per-Class Accuracy: {0: 0.6337448559670782, 1: 0.10954063604240283, 2: 0.7452830188679245}

Fold 2, Epoch 23/70, Training Loss: 0.8399, Validation F1-macro: 0.3878

Per-Class Accuracy: {0: 0.0411522633744856, 1: 0.38515901060070673, 2: 0.8509433962264151}

Fold 2, Epoch 24/70, Training Loss: 0.8916, Validation F1-macro: 0.4173

Per-Class Accuracy: {0: 0.26337448559670784, 1: 0.13074204946996468, 2: 0.909433962264151}

Fold 2, Epoch 25/70, Training Loss: 0.8206, Validation F1-macro: 0.4573

Per-Class Accuracy: {0: 0.4074074074074074, 1: 0.16607773851590105, 2: 0.839622641509434}

Fold 2, Epoch 26/70, Training Loss: 0.7744, Validation F1-macro: 0.4886

Per-Class Accuracy: {0: 0.2716049382716049, 1: 0.392226148409894, 2: 0.7943396226415095}

Fold 2, Epoch 27/70, Training Loss: 0.7597, Validation F1-macro: 0.4300

Per-Class Accuracy: {0: 0.09876543209876543, 1: 0.4911660777385159, 2: 0.769811320754717}

Fold 2, Epoch 28/70, Training Loss: 0.8147, Validation F1-macro: 0.4965

Per-Class Accuracy: {0: 0.35802469135802467, 1: 0.3250883392226148, 2: 0.7981132075471699}

Fold 2, Epoch 29/70, Training Loss: 0.7969, Validation F1-macro: 0.4490

Per-Class Accuracy: {0: 0.205761316872428, 1: 0.2968197879858657, 2: 0.8622641509433963}

Fold 2, Epoch 30/70, Training Loss: 0.8845, Validation F1-macro: 0.4448

Per-Class Accuracy: {0: 0.09876543209876543, 1: 0.5159010600706714, 2: 0.7962264150943397}

Fold 2, Epoch 31/70, Training Loss: 0.7695, Validation F1-macro: 0.5103

Per-Class Accuracy: {0: 0.6296296296296297, 1: 0.303886925795053, 2: 0.6452830188679245}

Fold 2, Epoch 32/70, Training Loss: 0.7483, Validation F1-macro: 0.5327

Per-Class Accuracy: {0: 0.5102880658436214, 1: 0.30742049469964666, 2: 0.7886792452830189}

Fold 2, Epoch 33/70, Training Loss: 0.7614, Validation F1-macro: 0.5058

Per-Class Accuracy: {0: 0.411522633744856, 1: 0.31095406360424027, 2: 0.7886792452830189}

Fold 2, Epoch 34/70, Training Loss: 0.7142, Validation F1-macro: 0.5363

Per-Class Accuracy: {0: 0.551440329218107, 1: 0.3215547703180212, 2: 0.7547169811320755}

Fold 2, Epoch 35/70, Training Loss: 0.7713, Validation F1-macro: 0.5343

Per-Class Accuracy: {0: 0.5967078189300411, 1: 0.33568904593639576, 2: 0.7018867924528301}

Fold 2, Epoch 36/70, Training Loss: 0.6689, Validation F1-macro: 0.4853

Per-Class Accuracy: {0: 0.20164609053497942, 1: 0.5123674911660777, 2: 0.7622641509433963}

Fold 2, Epoch 37/70, Training Loss: 0.7745, Validation F1-macro: 0.5317

Per-Class Accuracy: {0: 0.5925925925925926, 1: 0.26501766784452296, 2: 0.7735849056603774}

Fold 2, Epoch 38/70, Training Loss: 0.7888, Validation F1-macro: 0.4759

Per-Class Accuracy: {0: 0.17695473251028807, 1: 0.5724381625441696, 2: 0.7188679245283018}

Fold 2, Epoch 39/70, Training Loss: 0.7902, Validation F1-macro: 0.5208

Per-Class Accuracy: {0: 0.588477366255144, 1: 0.3462897526501767, 2: 0.660377358490566}

Fold 2, Epoch 40/70, Training Loss: 0.6998, Validation F1-macro: 0.5580

Per-Class Accuracy: {0: 0.4691358024691358, 1: 0.4840989399293286, 2: 0.7150943396226415}

Fold 2, Epoch 41/70, Training Loss: 0.6908, Validation F1-macro: 0.5495

Per-Class Accuracy: {0: 0.4691358024691358, 1: 0.43462897526501765, 2: 0.7396226415094339}

Fold 2, Epoch 42/70, Training Loss: 0.7394, Validation F1-macro: 0.5567

Per-Class Accuracy: {0: 0.5720164609053497, 1: 0.4028268551236749, 2: 0.7113207547169811}

Fold 2, Epoch 43/70, Training Loss: 0.7352, Validation F1-macro: 0.5605

Per-Class Accuracy: {0: 0.46502057613168724, 1: 0.45936395759717313, 2: 0.7490566037735849}

Fold 2, Epoch 44/70, Training Loss: 0.6678, Validation F1-macro: 0.5275

Per-Class Accuracy: {0: 0.6296296296296297, 1: 0.4734982332155477, 2: 0.5358490566037736}

Fold 2, Epoch 45/70, Training Loss: 0.7345, Validation F1-macro: 0.5280

Per-Class Accuracy: {0: 0.345679012345679, 1: 0.4204946996466431, 2: 0.8037735849056604}

Fold 2, Epoch 46/70, Training Loss: 0.6355, Validation F1-macro: 0.5396

Per-Class Accuracy: {0: 0.40329218106995884, 1: 0.4275618374558304, 2: 0.7773584905660378}

Fold 2, Epoch 47/70, Training Loss: 0.7408, Validation F1-macro: 0.5057

Per-Class Accuracy: {0: 0.29218106995884774, 1: 0.45936395759717313, 2: 0.7603773584905661}

Fold 2, Epoch 48/70, Training Loss: 0.6504, Validation F1-macro: 0.5693

Per-Class Accuracy: {0: 0.48559670781893005, 1: 0.5512367491166078, 2: 0.6792452830188679}

Fold 2, Epoch 49/70, Training Loss: 0.6050, Validation F1-macro: 0.5485

Per-Class Accuracy: {0: 0.6872427983539094, 1: 0.27208480565371024, 2: 0.7471698113207547}

Fold 2, Epoch 50/70, Training Loss: 0.6295, Validation F1-macro: 0.5378

Per-Class Accuracy: {0: 0.3333333333333333, 1: 0.4452296819787986, 2: 0.8150943396226416}

Fold 2, Epoch 51/70, Training Loss: 0.6606, Validation F1-macro: 0.5252

Per-Class Accuracy: {0: 0.35802469135802467, 1: 0.3745583038869258, 2: 0.8226415094339623}

Fold 2, Epoch 52/70, Training Loss: 0.6336, Validation F1-macro: 0.5540

Per-Class Accuracy: {0: 0.7325102880658436, 1: 0.28975265017667845, 2: 0.7094339622641509}

Fold 2, Epoch 53/70, Training Loss: 0.6443, Validation F1-macro: 0.5917

Per-Class Accuracy: {0: 0.6131687242798354, 1: 0.392226148409894, 2: 0.7716981132075472}

Fold 2, Epoch 54/70, Training Loss: 0.6081, Validation F1-macro: 0.5744

Per-Class Accuracy: {0: 0.5267489711934157, 1: 0.36395759717314485, 2: 0.8169811320754717}

Fold 2, Epoch 55/70, Training Loss: 0.6657, Validation F1-macro: 0.5584

Per-Class Accuracy: {0: 0.4691358024691358, 1: 0.31802120141342755, 2: 0.8679245283018868}

Fold 2, Epoch 56/70, Training Loss: 0.6023, Validation F1-macro: 0.6163

Per-Class Accuracy: {0: 0.588477366255144, 1: 0.5300353356890459, 2: 0.7339622641509433}

Fold 2, Epoch 57/70, Training Loss: 0.5848, Validation F1-macro: 0.6097

Per-Class Accuracy: {0: 0.6131687242798354, 1: 0.4416961130742049, 2: 0.7735849056603774}

Fold 2, Epoch 58/70, Training Loss: 0.5644, Validation F1-macro: 0.6023

Per-Class Accuracy: {0: 0.5267489711934157, 1: 0.6360424028268551, 2: 0.6584905660377358}

Fold 2, Epoch 59/70, Training Loss: 0.5145, Validation F1-macro: 0.6219

Per-Class Accuracy: {0: 0.6502057613168725, 1: 0.40636042402826855, 2: 0.8075471698113208}

Fold 2, Epoch 60/70, Training Loss: 0.6079, Validation F1-macro: 0.5711

Per-Class Accuracy: {0: 0.4074074074074074, 1: 0.6113074204946997, 2: 0.6981132075471698}

Fold 2, Epoch 61/70, Training Loss: 0.5549, Validation F1-macro: 0.5561

Per-Class Accuracy: {0: 0.42386831275720166, 1: 0.4275618374558304, 2: 0.7867924528301887}

Fold 2, Epoch 62/70, Training Loss: 0.5494, Validation F1-macro: 0.5981

Per-Class Accuracy: {0: 0.691358024691358, 1: 0.3498233215547703, 2: 0.7830188679245284}

Fold 2, Epoch 63/70, Training Loss: 0.5428, Validation F1-macro: 0.6153

Per-Class Accuracy: {0: 0.5432098765432098, 1: 0.6749116607773852, 2: 0.6509433962264151}

Fold 2, Epoch 64/70, Training Loss: 0.5613, Validation F1-macro: 0.6137

Per-Class Accuracy: {0: 0.691358024691358, 1: 0.35335689045936397, 2: 0.8132075471698114}

Fold 2, Epoch 65/70, Training Loss: 0.4956, Validation F1-macro: 0.5975

Per-Class Accuracy: {0: 0.5061728395061729, 1: 0.5265017667844523, 2: 0.7528301886792453}

Fold 2, Epoch 66/70, Training Loss: 0.4769, Validation F1-macro: 0.6283

Per-Class Accuracy: {0: 0.691358024691358, 1: 0.4098939929328622, 2: 0.7962264150943397}

Fold 2, Epoch 67/70, Training Loss: 0.5146, Validation F1-macro: 0.6319

Per-Class Accuracy: {0: 0.6502057613168725, 1: 0.5830388692579506, 2: 0.6886792452830188}

Fold 2, Epoch 68/70, Training Loss: 0.5393, Validation F1-macro: 0.6392

Per-Class Accuracy: {0: 0.5679012345679012, 1: 0.6148409893992933, 2: 0.7358490566037735}

Fold 2, Epoch 69/70, Training Loss: 0.5232, Validation F1-macro: 0.6370

Per-Class Accuracy: {0: 0.6090534979423868, 1: 0.5371024734982333, 2: 0.7603773584905661}

Fold 2, Epoch 70/70, Training Loss: 0.4508, Validation F1-macro: 0.6342

Per-Class Accuracy: {0: 0.6090534979423868, 1: 0.5335689045936396, 2: 0.7566037735849057}