Output from Code

Reproducibility

Fix random seeds:

```
import torch, random, numpy as np
torch.manual_seed(42)
np.random.seed(42)
random.seed(42)
```

python src/test.py

=== Dataset of experiment results ===
Total experiments: 42
Unique architectures: ['RNN' 'LSTM']
Sequence lengths tested: [np.int64(25), np.int64(50), np.int64(100)]

Top 5 models by F1:

Model	Architecture	Activation	Optimizer	Seq Length	F1	Accuracy
LSTM_relu_Adam_seq100_noclip	LSTM	relu	Adam	100	0.81547	0.81552
LSTM_relu_Adam_seq100_clip	LSTM	relu	Adam	100	0.80870	0.80932
LSTM_relu_RMSProp_seq100_clip	LSTM	relu	RMSProp	100	0.80197	0.80296
LSTM_relu_RMSProp_seq100_noclip	LSTM	relu	RMSProp	100	0.77336	0.77780
RNN_relu_RMSProp_seq50_clip	RNN	relu	RMSProp	50	0.76693	0.76772

Bottom 5 models by F1:

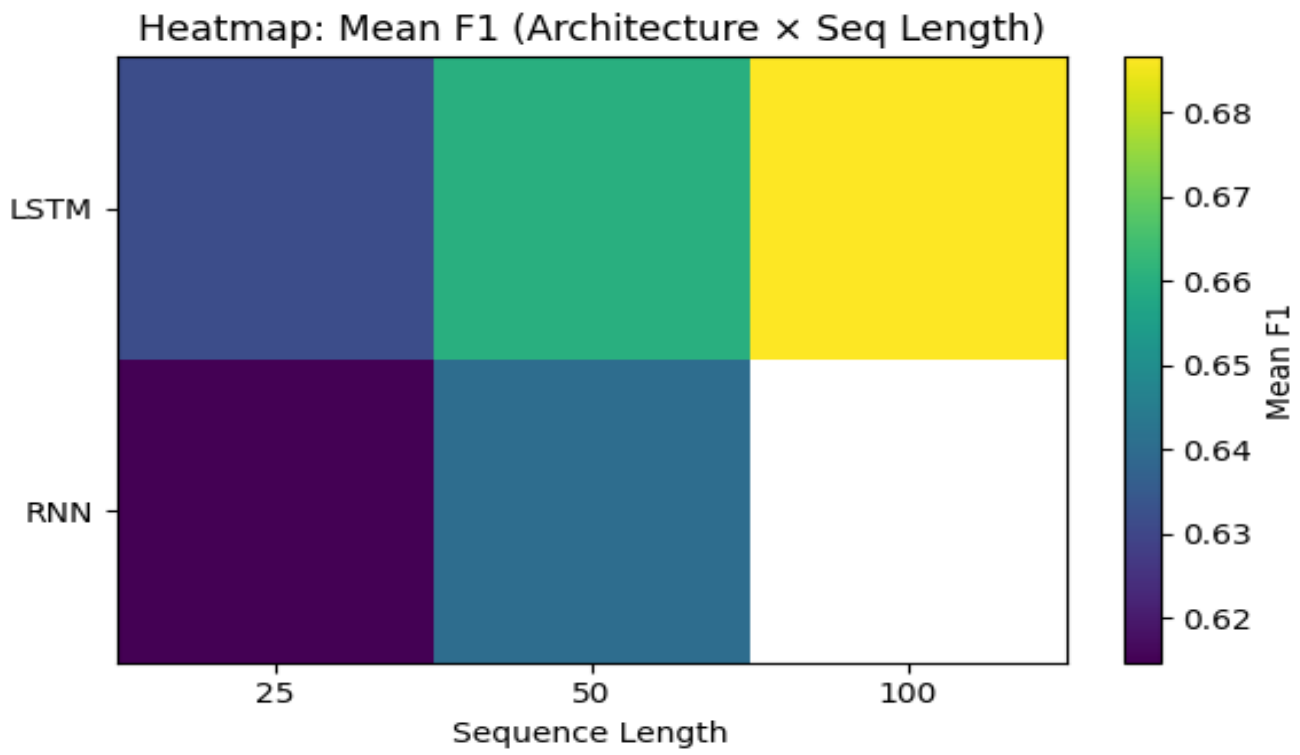
Model	Architecture	Activation	Optimizer	Seq Length	F1	Accuracy
RNN_relu_SGD_seq50_noclip	RNN	relu	SGD	50	0.33333	0.50000
RNN_relu_SGD_seq50_clip	RNN	relu	SGD	50	0.33333	0.50000
RNN_relu_SGD_seq25_noclip	RNN	relu	SGD	25	0.33358	0.50008
RNN_relu_SGD_seq25_clip	RNN	relu	SGD	25	0.33358	0.50008
LSTM_relu_SGD_seq100_noclip	LSTM	relu	SGD	100	0.45984	0.49432

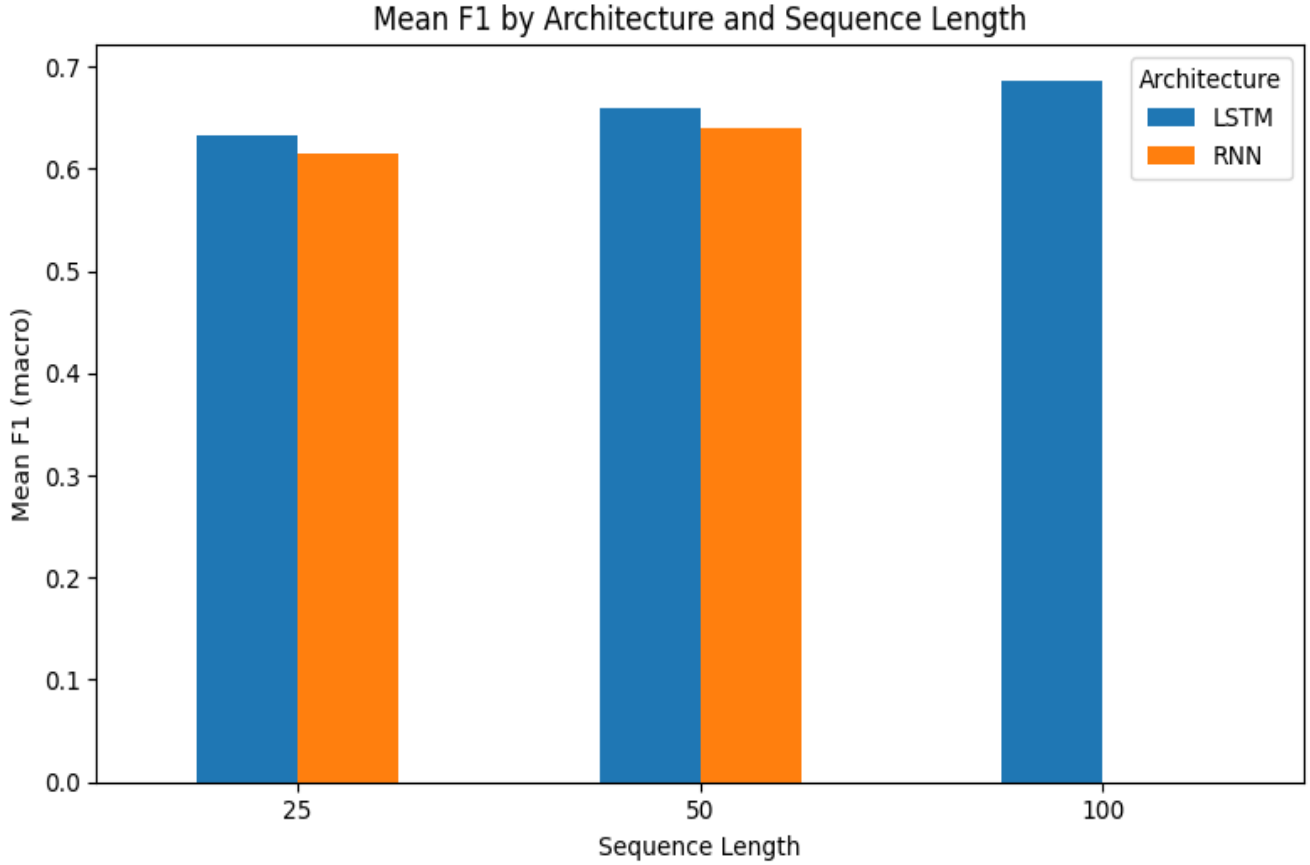
Top 5 models by Accuracy:

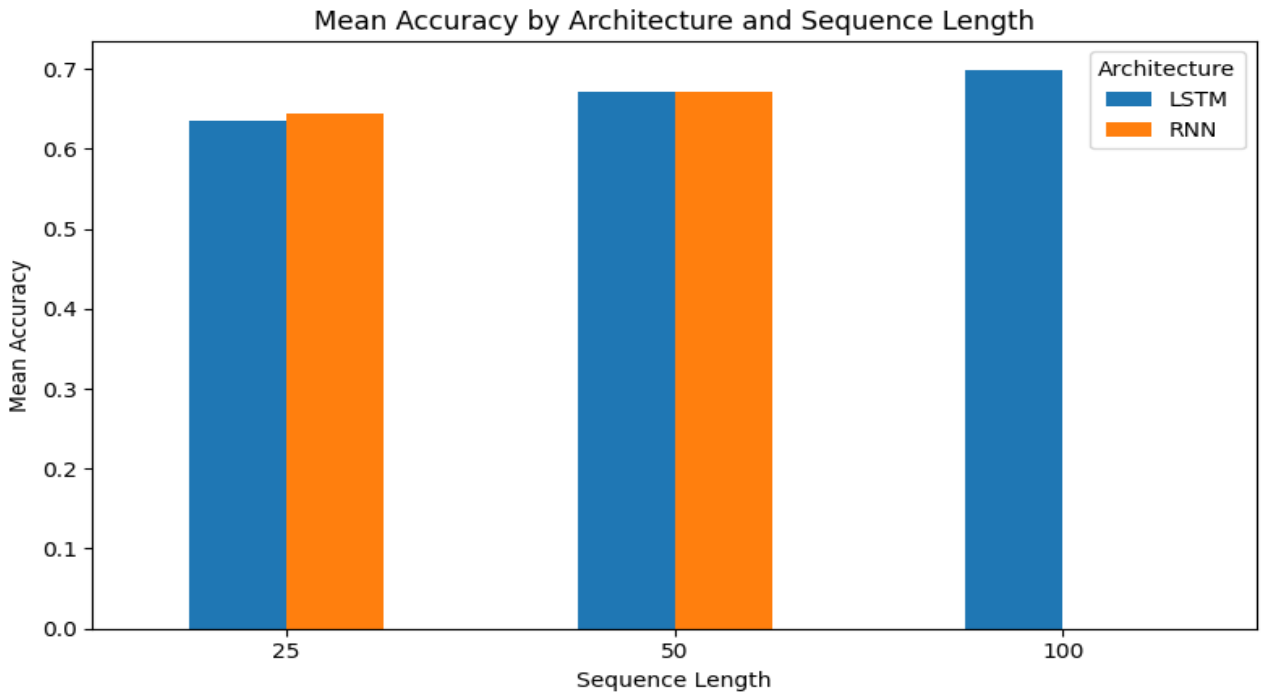
Model	Architecture	Activation	Optimizer	Seq Length	F1	Accuracy
LSTM_relu_Adam_seq100_noclip	LSTM	relu	Adam	100	0.81552	0.815475
LSTM_relu_Adam_seq100_clip	LSTM	relu	Adam	100	0.80932	0.808705
LSTM_relu_RMSProp_seq100_clip	LSTM	relu	RMSProp	100	0.80296	0.801974
LSTM_relu_RMSProp_seq100_noclip	LSTM	relu	RMSProp	100	0.77780	0.773360
RNN_relu_RMSProp_seq50_clip	RNN	relu	RMSProp	50	0.76772	0.766935

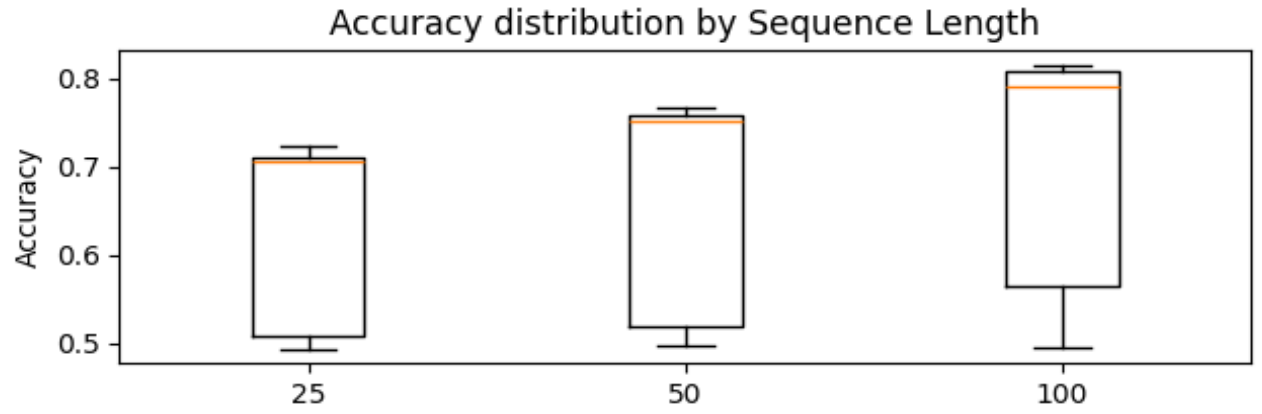
Bottom 5 models by Accuracy:

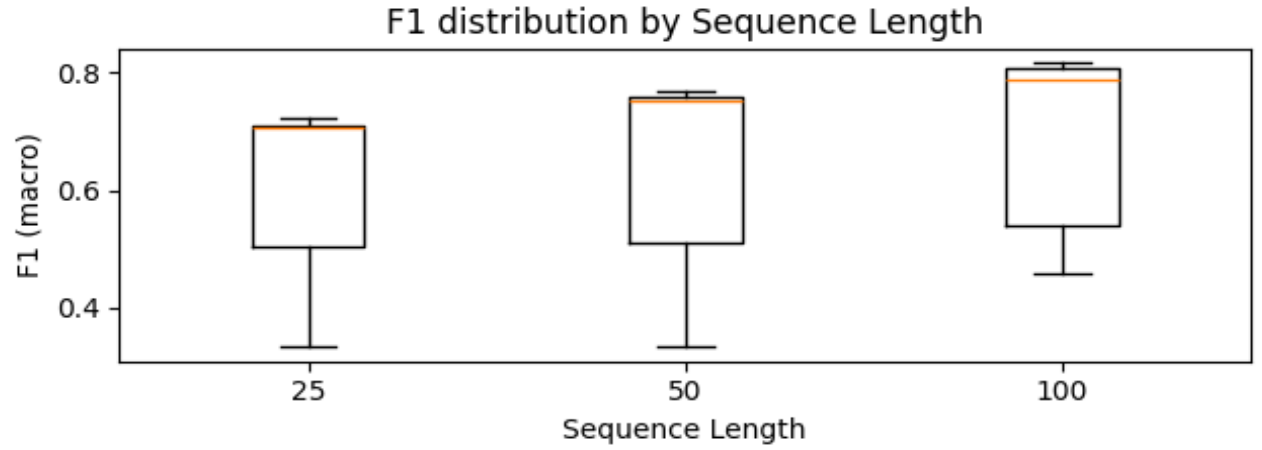
Model	Architecture	Activation	Optimizer	Seq Length	F1	Accuracy
LSTM_relu_SGD_seq25_noclip	LSTM	relu	SGD	25	0.49356	0.486414
LSTM_relu_SGD_seq25_clip	LSTM	relu	SGD	25	0.49356	0.486414
LSTM_relu_SGD_seq100_noclip	LSTM	relu	SGD	100	0.49432	0.459843
LSTM_relu_SGD_seq100_clip	LSTM	relu	SGD	100	0.49432	0.459843
LSTM_relu_SGD_seq50_clip	LSTM	relu	SGD	50	0.49600	0.464383

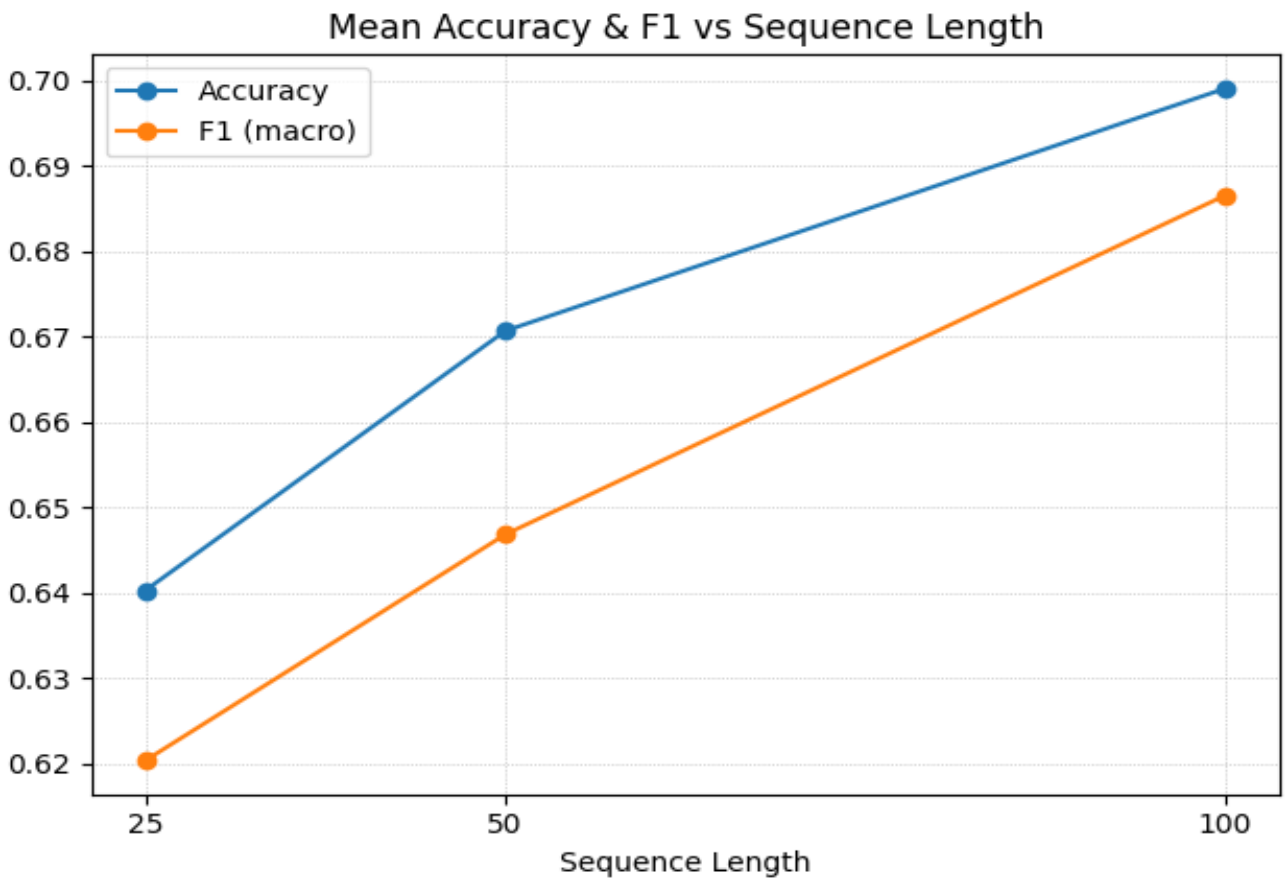

Heatmap: Mean F1 (Architecture × Seq Length)
LSTM
RNN
25
50
100
Sequence Length
0.68
0.67
0.66
0.65
0.64
0.63
0.62
Mean F1


Mean F1 by Architecture and Sequence Length
Architecture
LSTM
RNN
Mean F1 (macro)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
25
50
100
Sequence Length


Mean Accuracy by Architecture and Sequence Length
Architecture
LSTM
RNN
Mean Accuracy
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
25
50
100
Sequence Length


Accuracy distribution by Sequence Length
Accuracy
0.5
0.6
0.7
0.8
25
50
100


F1 distribution by Sequence Length
F1 (macro)
0.4
0.6
0.8
25
50
100
Sequence Length



Saved summary to results/summary.csv
Saved: results/plots/acc_f1_vs_seq.png
/Users/riyayrd/Downloads/Projects/Sentiment_Classification/src/test.py:110:
MatplotlibDeprecationWarning: The 'labels' parameter of boxplot() has been renamed 'tick_labels' since
Matplotlib 3.9; support for the old name will be dropped in 3.11.
  plt.boxplot(acc_groups, labels=sorted(df["Seq Length"].unique()))
/Users/riyayrd/Downloads/Projects/Sentiment_Classification/src/test.py:116:
MatplotlibDeprecationWarning: The 'labels' parameter of boxplot() has been renamed 'tick_labels' since
Matplotlib 3.9; support for the old name will be dropped in 3.11.
  plt.boxplot(f1_groups, labels=sorted(df["Seq Length"].unique()))
Saved: results/plots/acc_f1_box_by_seq.png
Saved: results/plots/acc_by_arch_seq.png
Saved: results/plots/f1_by_arch_seq.png
Saved: results/plots/f1_heatmap_arch_seq.png

All done. Inspect the plots in results/plots

PYTHONPATH=src python run_experiments.py --epochs 10
Experiment 1/42: Running RNN_relu_Adam_seq25_noclip

[RNN_relu_Adam_seq25_noclip] Epoch 1/10 | train_loss=0.6548 val_loss=0.5938 acc=0.6707 f1=0.6706 time=5.07s
[RNN_relu_Adam_seq25_noclip] Epoch 2/10 | train_loss=0.5586 val_loss=0.5508 acc=0.7091 f1=0.7091 time=4.80s
[RNN_relu_Adam_seq25_noclip] Epoch 3/10 | train_loss=0.4954 val_loss=0.5477 acc=0.7123 f1=0.7106 time=4.95s
[RNN_relu_Adam_seq25_noclip] Epoch 4/10 | train_loss=0.4469 val_loss=0.5418 acc=0.7185 f1=0.7178 time=5.34s
[RNN_relu_Adam_seq25_noclip] Epoch 5/10 | train_loss=0.4042 val_loss=0.5902 acc=0.7164 f1=0.7124 time=4.86s
[RNN_relu_Adam_seq25_noclip] Epoch 6/10 | train_loss=0.3683 val_loss=0.6430 acc=0.7182 f1=0.7169 time=4.87s
[RNN_relu_Adam_seq25_noclip] Epoch 7/10 | train_loss=0.3327 val_loss=0.6201 acc=0.7179 f1=0.7178 time=4.96s
[RNN_relu_Adam_seq25_noclip] Epoch 8/10 | train_loss=0.2976 val_loss=0.7390 acc=0.7155 f1=0.7155 time=5.04s
[RNN_relu_Adam_seq25_noclip] Epoch 9/10 | train_loss=0.2647 val_loss=0.7306 acc=0.7119 f1=0.7114 time=5.06s
[RNN_relu_Adam_seq25_noclip] Epoch 10/10 | train_loss=0.2395 val_loss=0.7916 acc=0.7086 f1=0.7083 time=4.85s
Experiment 2/42: Running RNN_relu_Adam_seq25_clip
[RNN_relu_Adam_seq25_clip] Epoch 1/10 | train_loss=0.6541 val_loss=0.5943 acc=0.6722 f1=0.6722 time=5.43s
[RNN_relu_Adam_seq25_clip] Epoch 2/10 | train_loss=0.5582 val_loss=0.5498 acc=0.7094 f1=0.7094 time=5.26s
[RNN_relu_Adam_seq25_clip] Epoch 3/10 | train_loss=0.4961 val_loss=0.5552 acc=0.7037 f1=0.6996 time=5.27s
[RNN_relu_Adam_seq25_clip] Epoch 4/10 | train_loss=0.4463 val_loss=0.5488 acc=0.7146 f1=0.7130 time=5.32s
[RNN_relu_Adam_seq25_clip] Epoch 5/10 | train_loss=0.4043 val_loss=0.6066 acc=0.7172 f1=0.7138 time=5.27s
[RNN_relu_Adam_seq25_clip] Epoch 6/10 | train_loss=0.3670 val_loss=0.6357 acc=0.7183 f1=0.7165 time=5.25s
[RNN_relu_Adam_seq25_clip] Epoch 7/10 | train_loss=0.3328 val_loss=0.6309 acc=0.7205 f1=0.7205 time=5.40s
[RNN_relu_Adam_seq25_clip] Epoch 8/10 | train_loss=0.2967 val_loss=0.7381 acc=0.7147 f1=0.7146 time=5.28s
[RNN_relu_Adam_seq25_clip] Epoch 9/10 | train_loss=0.2644 val_loss=0.7651 acc=0.7139 f1=0.7138 time=5.28s
[RNN_relu_Adam_seq25_clip] Epoch 10/10 | train_loss=0.2396 val_loss=0.8977 acc=0.7136 f1=0.7135 time=5.55s
Experiment 3/42: Running RNN_relu_Adam_seq50_noclip
[RNN_relu_Adam_seq50_noclip] Epoch 1/10 | train_loss=0.6315 val_loss=0.5375 acc=0.7219 f1=0.7197 time=7.37s
[RNN_relu_Adam_seq50_noclip] Epoch 2/10 | train_loss=0.4907 val_loss=0.4829 acc=0.7643 f1=0.7643 time=7.59s
[RNN_relu_Adam_seq50_noclip] Epoch 3/10 | train_loss=0.4202 val_loss=0.4851 acc=0.7693 f1=0.7689 time=7.32s
[RNN_relu_Adam_seq50_noclip] Epoch 4/10 | train_loss=0.3705 val_loss=0.4756 acc=0.7723 f1=0.7723 time=7.66s

[RNN_relu_Adam_seq50_noclip] Epoch 5/10 | train_loss=0.3282 val_loss=0.5225 acc=0.7724 f1=0.7723 time=7.32s
[RNN_relu_Adam_seq50_noclip] Epoch 6/10 | train_loss=0.2885 val_loss=0.5416 acc=0.7684 f1=0.7683 time=7.68s
[RNN_relu_Adam_seq50_noclip] Epoch 7/10 | train_loss=0.2564 val_loss=0.5693 acc=0.7661 f1=0.7660 time=7.40s
[RNN_relu_Adam_seq50_noclip] Epoch 8/10 | train_loss=0.2203 val_loss=0.7177 acc=0.7639 f1=0.7639 time=7.43s
[RNN_relu_Adam_seq50_noclip] Epoch 9/10 | train_loss=0.1913 val_loss=0.7096 acc=0.7584 f1=0.7581 time=7.40s
[RNN_relu_Adam_seq50_noclip] Epoch 10/10 | train_loss=0.1630 val_loss=0.8752 acc=0.7542 f1=0.7530 time=8.46s
Experiment 4/42: Running RNN_relu_Adam_seq50_clip
[RNN_relu_Adam_seq50_clip] Epoch 1/10 | train_loss=0.6285 val_loss=0.5380 acc=0.7212 f1=0.7185 time=8.11s
[RNN_relu_Adam_seq50_clip] Epoch 2/10 | train_loss=0.4896 val_loss=0.4884 acc=0.7614 f1=0.7610 time=8.70s
[RNN_relu_Adam_seq50_clip] Epoch 3/10 | train_loss=0.4171 val_loss=0.4964 acc=0.7712 f1=0.7710 time=8.73s
[RNN_relu_Adam_seq50_clip] Epoch 4/10 | train_loss=0.3690 val_loss=0.4844 acc=0.7719 f1=0.7715 time=8.53s
[RNN_relu_Adam_seq50_clip] Epoch 5/10 | train_loss=0.3269 val_loss=0.5433 acc=0.7718 f1=0.7718 time=8.72s
[RNN_relu_Adam_seq50_clip] Epoch 6/10 | train_loss=0.2841 val_loss=0.5497 acc=0.7706 f1=0.7702 time=8.64s
[RNN_relu_Adam_seq50_clip] Epoch 7/10 | train_loss=0.2552 val_loss=0.6699 acc=0.7566 f1=0.7537 time=8.17s
[RNN_relu_Adam_seq50_clip] Epoch 8/10 | train_loss=0.2224 val_loss=0.6948 acc=0.7641 f1=0.7640 time=8.65s
[RNN_relu_Adam_seq50_clip] Epoch 9/10 | train_loss=0.1940 val_loss=0.7123 acc=0.7598 f1=0.7595 time=8.12s
[RNN_relu_Adam_seq50_clip] Epoch 10/10 | train_loss=0.1656 val_loss=0.9394 acc=0.7599 f1=0.7595 time=8.36s
Experiment 5/42: Running RNN_relu_SGD_seq25_noclip
[RNN_relu_SGD_seq25_noclip] Epoch 1/10 | train_loss=0.6943 val_loss=0.6933 acc=0.5000 f1=0.3333 time=3.99s
[RNN_relu_SGD_seq25_noclip] Epoch 2/10 | train_loss=0.6936 val_loss=0.6932 acc=0.5000 f1=0.3333 time=3.98s
[RNN_relu_SGD_seq25_noclip] Epoch 3/10 | train_loss=0.6936 val_loss=0.6932 acc=0.5000 f1=0.3333 time=4.09s
[RNN_relu_SGD_seq25_noclip] Epoch 4/10 | train_loss=0.6940 val_loss=0.6932 acc=0.5000 f1=0.3333 time=3.89s
[RNN_relu_SGD_seq25_noclip] Epoch 5/10 | train_loss=0.6940 val_loss=0.6932 acc=0.5000 f1=0.3333 time=3.95s
[RNN_relu_SGD_seq25_noclip] Epoch 6/10 | train_loss=0.6937 val_loss=0.6931 acc=0.5002 f1=0.3339 time=3.85s
[RNN_relu_SGD_seq25_noclip] Epoch 7/10 | train_loss=0.6932 val_loss=0.6931 acc=0.5001 f1=0.3337 time=4.01s
[RNN_relu_SGD_seq25_noclip] Epoch 8/10 | train_loss=0.6938 val_loss=0.6931 acc=0.5002 f1=0.3341 time=3.83s

[RNN_relu_SGD_seq25_noclip] Epoch 9/10 | train_loss=0.6937 val_loss=0.6931 acc=0.5002 f1=0.3340 time=3.78s
[RNN_relu_SGD_seq25_noclip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6931 acc=0.5001 f1=0.3336 time=3.78s
Experiment 6/42: Running RNN_relu_SGD_seq25_clip
[RNN_relu_SGD_seq25_clip] Epoch 1/10 | train_loss=0.6943 val_loss=0.6933 acc=0.5000 f1=0.3333 time=4.20s
[RNN_relu_SGD_seq25_clip] Epoch 2/10 | train_loss=0.6936 val_loss=0.6932 acc=0.5000 f1=0.3333 time=4.16s
[RNN_relu_SGD_seq25_clip] Epoch 3/10 | train_loss=0.6936 val_loss=0.6932 acc=0.5000 f1=0.3333 time=4.09s
[RNN_relu_SGD_seq25_clip] Epoch 4/10 | train_loss=0.6940 val_loss=0.6932 acc=0.5000 f1=0.3333 time=4.08s
[RNN_relu_SGD_seq25_clip] Epoch 5/10 | train_loss=0.6940 val_loss=0.6932 acc=0.5000 f1=0.3333 time=4.23s
[RNN_relu_SGD_seq25_clip] Epoch 6/10 | train_loss=0.6937 val_loss=0.6931 acc=0.5002 f1=0.3339 time=4.23s
[RNN_relu_SGD_seq25_clip] Epoch 7/10 | train_loss=0.6932 val_loss=0.6931 acc=0.5001 f1=0.3337 time=4.29s
[RNN_relu_SGD_seq25_clip] Epoch 8/10 | train_loss=0.6938 val_loss=0.6931 acc=0.5002 f1=0.3341 time=4.23s
[RNN_relu_SGD_seq25_clip] Epoch 9/10 | train_loss=0.6937 val_loss=0.6931 acc=0.5002 f1=0.3340 time=4.58s
[RNN_relu_SGD_seq25_clip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6931 acc=0.5001 f1=0.3336 time=4.20s
Experiment 7/42: Running RNN_relu_SGD_seq50_noclip
[RNN_relu_SGD_seq50_noclip] Epoch 1/10 | train_loss=0.6940 val_loss=0.6933 acc=0.5000 f1=0.3333 time=6.46s
[RNN_relu_SGD_seq50_noclip] Epoch 2/10 | train_loss=0.6940 val_loss=0.6933 acc=0.5000 f1=0.3333 time=6.56s
[RNN_relu_SGD_seq50_noclip] Epoch 3/10 | train_loss=0.6941 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.46s
[RNN_relu_SGD_seq50_noclip] Epoch 4/10 | train_loss=0.6937 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.61s
[RNN_relu_SGD_seq50_noclip] Epoch 5/10 | train_loss=0.6937 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.51s
[RNN_relu_SGD_seq50_noclip] Epoch 6/10 | train_loss=0.6935 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.44s
[RNN_relu_SGD_seq50_noclip] Epoch 7/10 | train_loss=0.6941 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.63s
[RNN_relu_SGD_seq50_noclip] Epoch 8/10 | train_loss=0.6941 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.47s
[RNN_relu_SGD_seq50_noclip] Epoch 9/10 | train_loss=0.6942 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.68s
[RNN_relu_SGD_seq50_noclip] Epoch 10/10 | train_loss=0.6939 val_loss=0.6931 acc=0.5000 f1=0.3333 time=6.42s
Experiment 8/42: Running RNN_relu_SGD_seq50_clip
[RNN_relu_SGD_seq50_clip] Epoch 1/10 | train_loss=0.6940 val_loss=0.6933 acc=0.5000 f1=0.3333 time=6.82s
[RNN_relu_SGD_seq50_clip] Epoch 2/10 | train_loss=0.6940 val_loss=0.6933 acc=0.5000 f1=0.3333 time=7.06s

[RNN_relu_SGD_seq50_clip] Epoch 3/10 | train_loss=0.6941 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.72s
[RNN_relu_SGD_seq50_clip] Epoch 4/10 | train_loss=0.6937 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.87s
[RNN_relu_SGD_seq50_clip] Epoch 5/10 | train_loss=0.6937 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.81s
[RNN_relu_SGD_seq50_clip] Epoch 6/10 | train_loss=0.6935 val_loss=0.6932 acc=0.5000 f1=0.3333 time=7.02s
[RNN_relu_SGD_seq50_clip] Epoch 7/10 | train_loss=0.6941 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.84s
[RNN_relu_SGD_seq50_clip] Epoch 8/10 | train_loss=0.6941 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.90s
[RNN_relu_SGD_seq50_clip] Epoch 9/10 | train_loss=0.6942 val_loss=0.6932 acc=0.5000 f1=0.3333 time=6.92s
[RNN_relu_SGD_seq50_clip] Epoch 10/10 | train_loss=0.6939 val_loss=0.6931 acc=0.5000 f1=0.3333 time=6.75s
Experiment 9/42: Running RNN_relu_RMSProp_seq25_noclip
[RNN_relu_RMSProp_seq25_noclip] Epoch 1/10 | train_loss=0.6499 val_loss=0.6117 acc=0.6566 f1=0.6423 time=5.05s
[RNN_relu_RMSProp_seq25_noclip] Epoch 2/10 | train_loss=0.5682 val_loss=0.5674 acc=0.6960 f1=0.6940 time=4.61s
[RNN_relu_RMSProp_seq25_noclip] Epoch 3/10 | train_loss=0.5161 val_loss=0.5437 acc=0.7156 f1=0.7156 time=4.85s
[RNN_relu_RMSProp_seq25_noclip] Epoch 4/10 | train_loss=0.4776 val_loss=0.5645 acc=0.7018 f1=0.6967 time=4.70s
[RNN_relu_RMSProp_seq25_noclip] Epoch 5/10 | train_loss=0.4446 val_loss=0.6303 acc=0.7034 f1=0.6939 time=4.57s
[RNN_relu_RMSProp_seq25_noclip] Epoch 6/10 | train_loss=0.4104 val_loss=0.6101 acc=0.7199 f1=0.7173 time=4.39s
[RNN_relu_RMSProp_seq25_noclip] Epoch 7/10 | train_loss=0.3815 val_loss=0.6164 acc=0.7099 f1=0.7024 time=4.34s
[RNN_relu_RMSProp_seq25_noclip] Epoch 8/10 | train_loss=0.3536 val_loss=0.5957 acc=0.7238 f1=0.7233 time=4.72s
[RNN_relu_RMSProp_seq25_noclip] Epoch 9/10 | train_loss=0.3243 val_loss=0.5847 acc=0.7262 f1=0.7258 time=5.48s
[RNN_relu_RMSProp_seq25_noclip] Epoch 10/10 | train_loss=0.2957 val_loss=0.6133 acc=0.7228 f1=0.7228 time=5.85s
Experiment 10/42: Running RNN_relu_RMSProp_seq25_clip
[RNN_relu_RMSProp_seq25_clip] Epoch 1/10 | train_loss=0.6496 val_loss=0.6029 acc=0.6680 f1=0.6615 time=5.74s
[RNN_relu_RMSProp_seq25_clip] Epoch 2/10 | train_loss=0.5673 val_loss=0.5568 acc=0.7033 f1=0.7033 time=5.71s
[RNN_relu_RMSProp_seq25_clip] Epoch 3/10 | train_loss=0.5154 val_loss=0.5449 acc=0.7139 f1=0.7137 time=5.48s
[RNN_relu_RMSProp_seq25_clip] Epoch 4/10 | train_loss=0.4767 val_loss=0.5627 acc=0.7034 f1=0.6988 time=6.17s
[RNN_relu_RMSProp_seq25_clip] Epoch 5/10 | train_loss=0.4427 val_loss=0.6819 acc=0.6962 f1=0.6835 time=10.06s
[RNN_relu_RMSProp_seq25_clip] Epoch 6/10 | train_loss=0.4094 val_loss=0.6063 acc=0.7214 f1=0.7199 time=8.21s

[RNN_relu_RMSProp_seq25_clip] Epoch 7/10 | train_loss=0.3806 val_loss=0.5957 acc=0.7165 f1=0.7120 time=6.28s
[RNN_relu_RMSProp_seq25_clip] Epoch 8/10 | train_loss=0.3494 val_loss=0.6790 acc=0.7205 f1=0.7191 time=6.84s
[RNN_relu_RMSProp_seq25_clip] Epoch 9/10 | train_loss=0.3267 val_loss=0.6397 acc=0.7214 f1=0.7196 time=6.37s
[RNN_relu_RMSProp_seq25_clip] Epoch 10/10 | train_loss=0.2958 val_loss=0.6537 acc=0.7237 f1=0.7235 time=5.29s
Experiment 11/42: Running RNN_relu_RMSProp_seq50_noclip
[RNN_relu_RMSProp_seq50_noclip] Epoch 1/10 | train_loss=0.6235 val_loss=0.6543 acc=0.6419 f1=0.6003 time=8.39s
[RNN_relu_RMSProp_seq50_noclip] Epoch 2/10 | train_loss=0.5088 val_loss=0.5245 acc=0.7344 f1=0.7301 time=8.88s
[RNN_relu_RMSProp_seq50_noclip] Epoch 3/10 | train_loss=0.4475 val_loss=0.4767 acc=0.7736 f1=0.7734 time=8.74s
[RNN_relu_RMSProp_seq50_noclip] Epoch 4/10 | train_loss=0.4057 val_loss=0.4988 acc=0.7523 f1=0.7483 time=8.86s
[RNN_relu_RMSProp_seq50_noclip] Epoch 5/10 | train_loss=0.3704 val_loss=0.4879 acc=0.7742 f1=0.7741 time=8.81s
[RNN_relu_RMSProp_seq50_noclip] Epoch 6/10 | train_loss=0.3363 val_loss=0.4763 acc=0.7710 f1=0.7702 time=8.52s
[RNN_relu_RMSProp_seq50_noclip] Epoch 7/10 | train_loss=0.3108 val_loss=0.5516 acc=0.7515 f1=0.7478 time=8.56s
[RNN_relu_RMSProp_seq50_noclip] Epoch 8/10 | train_loss=0.2840 val_loss=0.6389 acc=0.7714 f1=0.7703 time=8.52s
[RNN_relu_RMSProp_seq50_noclip] Epoch 9/10 | train_loss=0.2572 val_loss=0.6321 acc=0.7719 f1=0.7709 time=8.48s
[RNN_relu_RMSProp_seq50_noclip] Epoch 10/10 | train_loss=0.2321 val_loss=0.9951 acc=0.7176 f1=0.7037 time=8.43s
Experiment 12/42: Running RNN_relu_RMSProp_seq50_clip
[RNN_relu_RMSProp_seq50_clip] Epoch 1/10 | train_loss=0.6230 val_loss=0.5621 acc=0.6944 f1=0.6806 time=8.74s
[RNN_relu_RMSProp_seq50_clip] Epoch 2/10 | train_loss=0.5077 val_loss=0.5246 acc=0.7364 f1=0.7320 time=9.10s
[RNN_relu_RMSProp_seq50_clip] Epoch 3/10 | train_loss=0.4462 val_loss=0.4788 acc=0.7712 f1=0.7711 time=9.29s
[RNN_relu_RMSProp_seq50_clip] Epoch 4/10 | train_loss=0.4032 val_loss=0.4845 acc=0.7638 f1=0.7622 time=8.80s
[RNN_relu_RMSProp_seq50_clip] Epoch 5/10 | train_loss=0.3680 val_loss=0.5326 acc=0.7707 f1=0.7707 time=9.32s
[RNN_relu_RMSProp_seq50_clip] Epoch 6/10 | train_loss=0.3332 val_loss=0.4872 acc=0.7736 f1=0.7735 time=9.32s
[RNN_relu_RMSProp_seq50_clip] Epoch 7/10 | train_loss=0.3090 val_loss=0.5159 acc=0.7675 f1=0.7667 time=9.39s
[RNN_relu_RMSProp_seq50_clip] Epoch 8/10 | train_loss=0.2818 val_loss=0.6380 acc=0.7725 f1=0.7721 time=9.11s
[RNN_relu_RMSProp_seq50_clip] Epoch 9/10 | train_loss=0.2523 val_loss=0.8331 acc=0.7540 f1=0.7503 time=9.64s
[RNN_relu_RMSProp_seq50_clip] Epoch 10/10 | train_loss=0.2291 val_loss=0.6690 acc=0.7677 f1=0.7669 time=9.51s
Experiment 13/42: Running RNN_tanh_Adam_seq25_noclip

[RNN_tanh_Adam_seq25_noclip] Epoch 1/10 | train_loss=0.6508 val_loss=0.6055 acc=0.6686 f1=0.6682 time=6.44s
[RNN_tanh_Adam_seq25_noclip] Epoch 2/10 | train_loss=0.5587 val_loss=0.5676 acc=0.7044 f1=0.7044 time=6.90s
[RNN_tanh_Adam_seq25_noclip] Epoch 3/10 | train_loss=0.4925 val_loss=0.5574 acc=0.7126 f1=0.7124 time=6.93s
[RNN_tanh_Adam_seq25_noclip] Epoch 4/10 | train_loss=0.4400 val_loss=0.5696 acc=0.7182 f1=0.7181 time=6.42s
[RNN_tanh_Adam_seq25_noclip] Epoch 5/10 | train_loss=0.3924 val_loss=0.5795 acc=0.7214 f1=0.7208 time=6.84s
[RNN_tanh_Adam_seq25_noclip] Epoch 6/10 | train_loss=0.3468 val_loss=0.7020 acc=0.7192 f1=0.7184 time=6.39s
[RNN_tanh_Adam_seq25_noclip] Epoch 7/10 | train_loss=0.3031 val_loss=0.6668 acc=0.7190 f1=0.7189 time=6.62s
[RNN_tanh_Adam_seq25_noclip] Epoch 8/10 | train_loss=0.2595 val_loss=0.7886 acc=0.7090 f1=0.7085 time=6.90s
[RNN_tanh_Adam_seq25_noclip] Epoch 9/10 | train_loss=0.2154 val_loss=0.7997 acc=0.7088 f1=0.7087 time=6.46s
[RNN_tanh_Adam_seq25_noclip] Epoch 10/10 | train_loss=0.1774 val_loss=0.9187 acc=0.7053 f1=0.7052 time=7.06s
Experiment 14/42: Running RNN_tanh_Adam_seq25_clip
[RNN_tanh_Adam_seq25_clip] Epoch 1/10 | train_loss=0.6508 val_loss=0.6057 acc=0.6680 f1=0.6674 time=6.86s
[RNN_tanh_Adam_seq25_clip] Epoch 2/10 | train_loss=0.5587 val_loss=0.5675 acc=0.7044 f1=0.7044 time=7.21s
[RNN_tanh_Adam_seq25_clip] Epoch 3/10 | train_loss=0.4923 val_loss=0.5585 acc=0.7130 f1=0.7129 time=7.01s
[RNN_tanh_Adam_seq25_clip] Epoch 4/10 | train_loss=0.4395 val_loss=0.5713 acc=0.7188 f1=0.7187 time=91.04s
[RNN_tanh_Adam_seq25_clip] Epoch 5/10 | train_loss=0.3907 val_loss=0.5878 acc=0.7216 f1=0.7214 time=7.63s
[RNN_tanh_Adam_seq25_clip] Epoch 6/10 | train_loss=0.3433 val_loss=0.7123 acc=0.7211 f1=0.7210 time=7.63s
[RNN_tanh_Adam_seq25_clip] Epoch 7/10 | train_loss=0.2981 val_loss=0.6944 acc=0.7183 f1=0.7182 time=6.89s
[RNN_tanh_Adam_seq25_clip] Epoch 8/10 | train_loss=0.2574 val_loss=0.8745 acc=0.7111 f1=0.7110 time=6.77s
[RNN_tanh_Adam_seq25_clip] Epoch 9/10 | train_loss=0.2128 val_loss=0.8386 acc=0.7100 f1=0.7100 time=7.22s
[RNN_tanh_Adam_seq25_clip] Epoch 10/10 | train_loss=0.1818 val_loss=0.9881 acc=0.7057 f1=0.7056 time=7.14s
Experiment 15/42: Running RNN_tanh_Adam_seq50_noclip
[RNN_tanh_Adam_seq50_noclip] Epoch 1/10 | train_loss=0.6174 val_loss=0.5541 acc=0.7148 f1=0.7145 time=11.23s
[RNN_tanh_Adam_seq50_noclip] Epoch 2/10 | train_loss=0.4919 val_loss=0.5091 acc=0.7500 f1=0.7495 time=10.23s
[RNN_tanh_Adam_seq50_noclip] Epoch 3/10 | train_loss=0.4187 val_loss=0.5193 acc=0.7616 f1=0.7615 time=9.86s
[RNN_tanh_Adam_seq50_noclip] Epoch 4/10 | train_loss=0.3603 val_loss=0.5270 acc=0.7651 f1=0.7651 time=10.01s

[RNN_tanh_Adam_seq50_noclip] Epoch 5/10 | train_loss=0.3150 val_loss=0.5752 acc=0.7663 f1=0.7661 time=9.77s
[RNN_tanh_Adam_seq50_noclip] Epoch 6/10 | train_loss=0.2656 val_loss=0.5835 acc=0.7614 f1=0.7613 time=9.79s
[RNN_tanh_Adam_seq50_noclip] Epoch 7/10 | train_loss=0.2229 val_loss=0.7038 acc=0.7557 f1=0.7549 time=10.39s
[RNN_tanh_Adam_seq50_noclip] Epoch 8/10 | train_loss=0.1770 val_loss=0.7302 acc=0.7529 f1=0.7529 time=20.53s
[RNN_tanh_Adam_seq50_noclip] Epoch 9/10 | train_loss=0.1433 val_loss=0.8730 acc=0.7539 f1=0.7536 time=13.37s
[RNN_tanh_Adam_seq50_noclip] Epoch 10/10 | train_loss=0.1062 val_loss=0.9174 acc=0.7498 f1=0.7498 time=13.60s
Experiment 16/42: Running RNN_tanh_Adam_seq50_clip
[RNN_tanh_Adam_seq50_clip] Epoch 1/10 | train_loss=0.6175 val_loss=0.5534 acc=0.7160 f1=0.7158 time=10.82s
[RNN_tanh_Adam_seq50_clip] Epoch 2/10 | train_loss=0.4919 val_loss=0.5103 acc=0.7485 f1=0.7479 time=14.65s
[RNN_tanh_Adam_seq50_clip] Epoch 3/10 | train_loss=0.4172 val_loss=0.5291 acc=0.7597 f1=0.7597 time=11.13s
[RNN_tanh_Adam_seq50_clip] Epoch 4/10 | train_loss=0.3592 val_loss=0.5274 acc=0.7651 f1=0.7650 time=11.11s
[RNN_tanh_Adam_seq50_clip] Epoch 5/10 | train_loss=0.3130 val_loss=0.6105 acc=0.7620 f1=0.7618 time=11.85s
[RNN_tanh_Adam_seq50_clip] Epoch 6/10 | train_loss=0.2610 val_loss=0.5766 acc=0.7632 f1=0.7630 time=11.19s
[RNN_tanh_Adam_seq50_clip] Epoch 7/10 | train_loss=0.2170 val_loss=0.7417 acc=0.7550 f1=0.7544 time=12.36s
[RNN_tanh_Adam_seq50_clip] Epoch 8/10 | train_loss=0.1748 val_loss=0.7955 acc=0.7506 f1=0.7503 time=12.58s
[RNN_tanh_Adam_seq50_clip] Epoch 9/10 | train_loss=0.1416 val_loss=0.8678 acc=0.7498 f1=0.7498 time=11.74s
[RNN_tanh_Adam_seq50_clip] Epoch 10/10 | train_loss=0.1112 val_loss=0.9496 acc=0.7491 f1=0.7490 time=12.35s
Experiment 17/42: Running RNN_tanh_SGD_seq25_noclip
[RNN_tanh_SGD_seq25_noclip] Epoch 1/10 | train_loss=0.6942 val_loss=0.6935 acc=0.4957 f1=0.4365 time=5.69s
[RNN_tanh_SGD_seq25_noclip] Epoch 2/10 | train_loss=0.6939 val_loss=0.6934 acc=0.4953 f1=0.4795 time=6.01s
[RNN_tanh_SGD_seq25_noclip] Epoch 3/10 | train_loss=0.6940 val_loss=0.6933 acc=0.4935 f1=0.4924 time=5.72s
[RNN_tanh_SGD_seq25_noclip] Epoch 4/10 | train_loss=0.6937 val_loss=0.6932 acc=0.4952 f1=0.4952 time=6.10s
[RNN_tanh_SGD_seq25_noclip] Epoch 5/10 | train_loss=0.6941 val_loss=0.6932 acc=0.4992 f1=0.4986 time=6.21s
[RNN_tanh_SGD_seq25_noclip] Epoch 6/10 | train_loss=0.6937 val_loss=0.6931 acc=0.5006 f1=0.4997 time=5.79s
[RNN_tanh_SGD_seq25_noclip] Epoch 7/10 | train_loss=0.6933 val_loss=0.6931 acc=0.5026 f1=0.5012 time=5.88s
[RNN_tanh_SGD_seq25_noclip] Epoch 8/10 | train_loss=0.6934 val_loss=0.6930 acc=0.5039 f1=0.5009 time=5.36s

[RNN_tanh_SGD_seq25_noclip] Epoch 9/10 | train_loss=0.6932 val_loss=0.6930 acc=0.5068 f1=0.5027 time=6.31s
[RNN_tanh_SGD_seq25_noclip] Epoch 10/10 | train_loss=0.6935 val_loss=0.6929 acc=0.5084 f1=0.5042 time=6.39s
Experiment 18/42: Running RNN_tanh_SGD_seq25_clip
[RNN_tanh_SGD_seq25_clip] Epoch 1/10 | train_loss=0.6942 val_loss=0.6935 acc=0.4957 f1=0.4365 time=6.62s
[RNN_tanh_SGD_seq25_clip] Epoch 2/10 | train_loss=0.6939 val_loss=0.6934 acc=0.4953 f1=0.4795 time=6.32s
[RNN_tanh_SGD_seq25_clip] Epoch 3/10 | train_loss=0.6940 val_loss=0.6933 acc=0.4935 f1=0.4924 time=6.53s
[RNN_tanh_SGD_seq25_clip] Epoch 4/10 | train_loss=0.6937 val_loss=0.6932 acc=0.4952 f1=0.4952 time=7.04s
[RNN_tanh_SGD_seq25_clip] Epoch 5/10 | train_loss=0.6941 val_loss=0.6932 acc=0.4992 f1=0.4986 time=6.54s
[RNN_tanh_SGD_seq25_clip] Epoch 6/10 | train_loss=0.6937 val_loss=0.6931 acc=0.5006 f1=0.4997 time=6.12s
[RNN_tanh_SGD_seq25_clip] Epoch 7/10 | train_loss=0.6933 val_loss=0.6931 acc=0.5026 f1=0.5012 time=6.30s
[RNN_tanh_SGD_seq25_clip] Epoch 8/10 | train_loss=0.6934 val_loss=0.6930 acc=0.5039 f1=0.5009 time=7.01s
[RNN_tanh_SGD_seq25_clip] Epoch 9/10 | train_loss=0.6932 val_loss=0.6930 acc=0.5068 f1=0.5027 time=6.69s
[RNN_tanh_SGD_seq25_clip] Epoch 10/10 | train_loss=0.6935 val_loss=0.6929 acc=0.5084 f1=0.5042 time=6.30s
Experiment 19/42: Running RNN_tanh_SGD_seq50_noclip
[RNN_tanh_SGD_seq50_noclip] Epoch 1/10 | train_loss=0.6941 val_loss=0.6934 acc=0.4943 f1=0.4044 time=10.60s
[RNN_tanh_SGD_seq50_noclip] Epoch 2/10 | train_loss=0.6941 val_loss=0.6933 acc=0.4936 f1=0.4617 time=10.66s
[RNN_tanh_SGD_seq50_noclip] Epoch 3/10 | train_loss=0.6939 val_loss=0.6932 acc=0.4940 f1=0.4853 time=10.87s
[RNN_tanh_SGD_seq50_noclip] Epoch 4/10 | train_loss=0.6936 val_loss=0.6932 acc=0.4980 f1=0.4969 time=9.55s
[RNN_tanh_SGD_seq50_noclip] Epoch 5/10 | train_loss=0.6938 val_loss=0.6931 acc=0.5034 f1=0.5031 time=9.37s
[RNN_tanh_SGD_seq50_noclip] Epoch 6/10 | train_loss=0.6938 val_loss=0.6931 acc=0.5082 f1=0.5076 time=9.78s
[RNN_tanh_SGD_seq50_noclip] Epoch 7/10 | train_loss=0.6936 val_loss=0.6930 acc=0.5118 f1=0.5084 time=9.39s
[RNN_tanh_SGD_seq50_noclip] Epoch 8/10 | train_loss=0.6934 val_loss=0.6930 acc=0.5144 f1=0.5113 time=10.41s
[RNN_tanh_SGD_seq50_noclip] Epoch 9/10 | train_loss=0.6937 val_loss=0.6929 acc=0.5154 f1=0.5108 time=10.30s
[RNN_tanh_SGD_seq50_noclip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6929 acc=0.5182 f1=0.5119 time=9.85s
Experiment 20/42: Running RNN_tanh_SGD_seq50_clip
[RNN_tanh_SGD_seq50_clip] Epoch 1/10 | train_loss=0.6941 val_loss=0.6934 acc=0.4943 f1=0.4044 time=10.54s
[RNN_tanh_SGD_seq50_clip] Epoch 2/10 | train_loss=0.6941 val_loss=0.6933 acc=0.4936 f1=0.4617 time=10.58s

[RNN_tanh_SGD_seq50_clip] Epoch 3/10 | train_loss=0.6939 val_loss=0.6932 acc=0.4940 f1=0.4853 time=10.01s
[RNN_tanh_SGD_seq50_clip] Epoch 4/10 | train_loss=0.6936 val_loss=0.6932 acc=0.4980 f1=0.4969 time=10.71s
[RNN_tanh_SGD_seq50_clip] Epoch 5/10 | train_loss=0.6938 val_loss=0.6931 acc=0.5034 f1=0.5031 time=10.40s
[RNN_tanh_SGD_seq50_clip] Epoch 6/10 | train_loss=0.6938 val_loss=0.6931 acc=0.5082 f1=0.5076 time=9.71s
[RNN_tanh_SGD_seq50_clip] Epoch 7/10 | train_loss=0.6936 val_loss=0.6930 acc=0.5118 f1=0.5084 time=10.04s
[RNN_tanh_SGD_seq50_clip] Epoch 8/10 | train_loss=0.6934 val_loss=0.6930 acc=0.5144 f1=0.5113 time=10.59s
[RNN_tanh_SGD_seq50_clip] Epoch 9/10 | train_loss=0.6937 val_loss=0.6929 acc=0.5154 f1=0.5108 time=10.49s
[RNN_tanh_SGD_seq50_clip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6929 acc=0.5182 f1=0.5119 time=10.42s
Experiment 21/42: Running RNN_tanh_RMSProp_seq25_noclip
[RNN_tanh_RMSProp_seq25_noclip] Epoch 1/10 | train_loss=0.6476 val_loss=0.6164 acc=0.6593 f1=0.6536 time=7.77s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 2/10 | train_loss=0.5681 val_loss=0.5716 acc=0.7012 f1=0.7011 time=6.94s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 3/10 | train_loss=0.5131 val_loss=0.5558 acc=0.7132 f1=0.7131 time=6.96s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 4/10 | train_loss=0.4686 val_loss=0.5732 acc=0.7144 f1=0.7131 time=7.39s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 5/10 | train_loss=0.4318 val_loss=0.6141 acc=0.7085 f1=0.7014 time=7.40s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 6/10 | train_loss=0.3913 val_loss=0.6660 acc=0.7202 f1=0.7191 time=7.20s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 7/10 | train_loss=0.3562 val_loss=0.6397 acc=0.7057 f1=0.6993 time=6.90s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 8/10 | train_loss=0.3167 val_loss=0.7249 acc=0.7158 f1=0.7141 time=7.16s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 9/10 | train_loss=0.2824 val_loss=0.6859 acc=0.7113 f1=0.7083 time=8.72s
[RNN_tanh_RMSProp_seq25_noclip] Epoch 10/10 | train_loss=0.2417 val_loss=0.7468 acc=0.7103 f1=0.7101 time=8.60s
Experiment 22/42: Running RNN_tanh_RMSProp_seq25_clip
[RNN_tanh_RMSProp_seq25_clip] Epoch 1/10 | train_loss=0.6476 val_loss=0.6136 acc=0.6609 f1=0.6570 time=7.10s
[RNN_tanh_RMSProp_seq25_clip] Epoch 2/10 | train_loss=0.5681 val_loss=0.5717 acc=0.7015 f1=0.7015 time=6.81s
[RNN_tanh_RMSProp_seq25_clip] Epoch 3/10 | train_loss=0.5130 val_loss=0.5549 acc=0.7134 f1=0.7133 time=7.11s
[RNN_tanh_RMSProp_seq25_clip] Epoch 4/10 | train_loss=0.4683 val_loss=0.5713 acc=0.7140 f1=0.7127 time=6.94s
[RNN_tanh_RMSProp_seq25_clip] Epoch 5/10 | train_loss=0.4314 val_loss=0.6045 acc=0.7131 f1=0.7076 time=8.71s
[RNN_tanh_RMSProp_seq25_clip] Epoch 6/10 | train_loss=0.3908 val_loss=0.6788 acc=0.7210 f1=0.7197 time=7.90s

[RNN_tanh_RMSProp_seq25_clip] Epoch 7/10 | train_loss=0.3554 val_loss=0.6381 acc=0.7177 f1=0.7156 time=7.69s
[RNN_tanh_RMSProp_seq25_clip] Epoch 8/10 | train_loss=0.3163 val_loss=0.7156 acc=0.7171 f1=0.7165 time=6.40s
[RNN_tanh_RMSProp_seq25_clip] Epoch 9/10 | train_loss=0.2822 val_loss=0.7075 acc=0.7118 f1=0.7098 time=6.99s
[RNN_tanh_RMSProp_seq25_clip] Epoch 10/10 | train_loss=0.2420 val_loss=0.7863 acc=0.7115 f1=0.7115 time=6.86s
Experiment 23/42: Running RNN_tanh_RMSProp_seq50_noclip
[RNN_tanh_RMSProp_seq50_noclip] Epoch 1/10 | train_loss=0.6135 val_loss=0.5902 acc=0.6915 f1=0.6823 time=10.20s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 2/10 | train_loss=0.5046 val_loss=0.5205 acc=0.7405 f1=0.7386 time=10.06s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 3/10 | train_loss=0.4391 val_loss=0.5210 acc=0.7598 f1=0.7590 time=9.92s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 4/10 | train_loss=0.3902 val_loss=0.4988 acc=0.7640 f1=0.7633 time=10.41s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 5/10 | train_loss=0.3534 val_loss=0.5353 acc=0.7678 f1=0.7678 time=11.37s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 6/10 | train_loss=0.3130 val_loss=0.4935 acc=0.7715 f1=0.7714 time=11.57s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 7/10 | train_loss=0.2780 val_loss=0.6178 acc=0.7276 f1=0.7199 time=10.30s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 8/10 | train_loss=0.2424 val_loss=0.6094 acc=0.7666 f1=0.7664 time=10.20s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 9/10 | train_loss=0.2047 val_loss=0.7014 acc=0.7641 f1=0.7636 time=10.68s
[RNN_tanh_RMSProp_seq50_noclip] Epoch 10/10 | train_loss=0.1670 val_loss=0.8202 acc=0.7580 f1=0.7568 time=9.96s
Experiment 24/42: Running RNN_tanh_RMSProp_seq50_clip
[RNN_tanh_RMSProp_seq50_clip] Epoch 1/10 | train_loss=0.6132 val_loss=0.5779 acc=0.7006 f1=0.6947 time=10.64s
[RNN_tanh_RMSProp_seq50_clip] Epoch 2/10 | train_loss=0.5043 val_loss=0.5113 acc=0.7486 f1=0.7482 time=11.10s
[RNN_tanh_RMSProp_seq50_clip] Epoch 3/10 | train_loss=0.4398 val_loss=0.5192 acc=0.7608 f1=0.7607 time=10.31s
[RNN_tanh_RMSProp_seq50_clip] Epoch 4/10 | train_loss=0.3913 val_loss=0.4947 acc=0.7686 f1=0.7686 time=9.96s
[RNN_tanh_RMSProp_seq50_clip] Epoch 5/10 | train_loss=0.3544 val_loss=0.5528 acc=0.7668 f1=0.7667 time=10.16s
[RNN_tanh_RMSProp_seq50_clip] Epoch 6/10 | train_loss=0.3156 val_loss=0.5165 acc=0.7732 f1=0.7732 time=10.10s
[RNN_tanh_RMSProp_seq50_clip] Epoch 7/10 | train_loss=0.2804 val_loss=0.5927 acc=0.7632 f1=0.7628 time=10.43s
[RNN_tanh_RMSProp_seq50_clip] Epoch 8/10 | train_loss=0.2443 val_loss=0.6395 acc=0.7649 f1=0.7649 time=10.29s
[RNN_tanh_RMSProp_seq50_clip] Epoch 9/10 | train_loss=0.2057 val_loss=0.7570 acc=0.7595 f1=0.7583 time=10.15s
[RNN_tanh_RMSProp_seq50_clip] Epoch 10/10 | train_loss=0.1692 val_loss=0.7346 acc=0.7555 f1=0.7546 time=10.37s
Experiment 25/42: Running LSTM_relu_Adam_seq25_noclip

[LSTM_relu_Adam_seq25_noclip] Epoch 1/10 | train_loss=0.6358 val_loss=0.5805 acc=0.6829 f1=0.6823 time=12.64s
[LSTM_relu_Adam_seq25_noclip] Epoch 2/10 | train_loss=0.5273 val_loss=0.5463 acc=0.7149 f1=0.7141 time=12.17s
[LSTM_relu_Adam_seq25_noclip] Epoch 3/10 | train_loss=0.4538 val_loss=0.5676 acc=0.7223 f1=0.7212 time=12.14s
[LSTM_relu_Adam_seq25_noclip] Epoch 4/10 | train_loss=0.3865 val_loss=0.5824 acc=0.7224 f1=0.7217 time=12.74s
[LSTM_relu_Adam_seq25_noclip] Epoch 5/10 | train_loss=0.3207 val_loss=0.7207 acc=0.7167 f1=0.7149 time=12.45s
[LSTM_relu_Adam_seq25_noclip] Epoch 6/10 | train_loss=0.2544 val_loss=0.7202 acc=0.7136 f1=0.7136 time=12.31s
[LSTM_relu_Adam_seq25_noclip] Epoch 7/10 | train_loss=0.1909 val_loss=0.9565 acc=0.7077 f1=0.7060 time=12.40s
[LSTM_relu_Adam_seq25_noclip] Epoch 8/10 | train_loss=0.1383 val_loss=1.1530 acc=0.7064 f1=0.7061 time=12.23s
[LSTM_relu_Adam_seq25_noclip] Epoch 9/10 | train_loss=0.1039 val_loss=1.5330 acc=0.7034 f1=0.7034 time=12.24s
[LSTM_relu_Adam_seq25_noclip] Epoch 10/10 | train_loss=0.0802 val_loss=1.7748 acc=0.7055 f1=0.7052 time=12.53s
Experiment 26/42: Running LSTM_relu_Adam_seq25_clip
[LSTM_relu_Adam_seq25_clip] Epoch 1/10 | train_loss=0.6358 val_loss=0.5803 acc=0.6823 f1=0.6817 time=12.82s
[LSTM_relu_Adam_seq25_clip] Epoch 2/10 | train_loss=0.5273 val_loss=0.5462 acc=0.7154 f1=0.7146 time=12.51s
[LSTM_relu_Adam_seq25_clip] Epoch 3/10 | train_loss=0.4538 val_loss=0.5698 acc=0.7212 f1=0.7200 time=12.84s
[LSTM_relu_Adam_seq25_clip] Epoch 4/10 | train_loss=0.3856 val_loss=0.5860 acc=0.7213 f1=0.7207 time=12.72s
[LSTM_relu_Adam_seq25_clip] Epoch 5/10 | train_loss=0.3169 val_loss=0.7453 acc=0.7172 f1=0.7153 time=12.71s
[LSTM_relu_Adam_seq25_clip] Epoch 6/10 | train_loss=0.2465 val_loss=0.7500 acc=0.7146 f1=0.7146 time=12.40s
[LSTM_relu_Adam_seq25_clip] Epoch 7/10 | train_loss=0.1875 val_loss=1.0637 acc=0.7062 f1=0.7047 time=12.61s
[LSTM_relu_Adam_seq25_clip] Epoch 8/10 | train_loss=0.1390 val_loss=1.4966 acc=0.7057 f1=0.7053 time=13.09s
[LSTM_relu_Adam_seq25_clip] Epoch 9/10 | train_loss=0.1025 val_loss=2.0535 acc=0.6996 f1=0.6996 time=12.89s
[LSTM_relu_Adam_seq25_clip] Epoch 10/10 | train_loss=0.0770 val_loss=2.1512 acc=0.7038 f1=0.7038 time=12.91s
Experiment 27/42: Running LSTM_relu_Adam_seq50_noclip
[LSTM_relu_Adam_seq50_noclip] Epoch 1/10 | train_loss=0.6002 val_loss=0.5210 acc=0.7318 f1=0.7289 time=23.35s
[LSTM_relu_Adam_seq50_noclip] Epoch 2/10 | train_loss=0.4559 val_loss=0.4724 acc=0.7695 f1=0.7692 time=23.52s
[LSTM_relu_Adam_seq50_noclip] Epoch 3/10 | train_loss=0.3722 val_loss=0.4708 acc=0.7738 f1=0.7737 time=23.70s
[LSTM_relu_Adam_seq50_noclip] Epoch 4/10 | train_loss=0.3051 val_loss=0.5551 acc=0.7699 f1=0.7697 time=24.18s

[LSTM_relu_Adam_seq50_noclip] Epoch 5/10 | train_loss=0.2368 val_loss=0.5873 acc=0.7659 f1=0.7653 time=24.67s
[LSTM_relu_Adam_seq50_noclip] Epoch 6/10 | train_loss=0.1725 val_loss=0.7120 acc=0.7679 f1=0.7677 time=22.73s
[LSTM_relu_Adam_seq50_noclip] Epoch 7/10 | train_loss=0.1240 val_loss=0.8398 acc=0.7638 f1=0.7638 time=22.80s
[LSTM_relu_Adam_seq50_noclip] Epoch 8/10 | train_loss=0.0818 val_loss=1.0584 acc=0.7611 f1=0.7607 time=23.49s
[LSTM_relu_Adam_seq50_noclip] Epoch 9/10 | train_loss=0.0589 val_loss=1.3521 acc=0.7623 f1=0.7622 time=23.17s
[LSTM_relu_Adam_seq50_noclip] Epoch 10/10 | train_loss=0.0450 val_loss=1.5432 acc=0.7577 f1=0.7574 time=22.38s
Experiment 28/42: Running LSTM_relu_Adam_seq50_clip
[LSTM_relu_Adam_seq50_clip] Epoch 1/10 | train_loss=0.6000 val_loss=0.5212 acc=0.7320 f1=0.7291 time=23.29s
[LSTM_relu_Adam_seq50_clip] Epoch 2/10 | train_loss=0.4560 val_loss=0.4713 acc=0.7698 f1=0.7698 time=23.24s
[LSTM_relu_Adam_seq50_clip] Epoch 3/10 | train_loss=0.3718 val_loss=0.4745 acc=0.7736 f1=0.7736 time=23.31s
[LSTM_relu_Adam_seq50_clip] Epoch 4/10 | train_loss=0.3028 val_loss=0.5693 acc=0.7693 f1=0.7692 time=22.14s
[LSTM_relu_Adam_seq50_clip] Epoch 5/10 | train_loss=0.2327 val_loss=0.6072 acc=0.7646 f1=0.7643 time=23.73s
[LSTM_relu_Adam_seq50_clip] Epoch 6/10 | train_loss=0.1670 val_loss=0.8067 acc=0.7650 f1=0.7649 time=23.40s
[LSTM_relu_Adam_seq50_clip] Epoch 7/10 | train_loss=0.1197 val_loss=0.8514 acc=0.7618 f1=0.7617 time=23.83s
[LSTM_relu_Adam_seq50_clip] Epoch 8/10 | train_loss=0.0813 val_loss=1.2203 acc=0.7572 f1=0.7564 time=23.74s
[LSTM_relu_Adam_seq50_clip] Epoch 9/10 | train_loss=0.0547 val_loss=1.6557 acc=0.7578 f1=0.7578 time=23.68s
[LSTM_relu_Adam_seq50_clip] Epoch 10/10 | train_loss=0.0481 val_loss=2.3862 acc=0.7550 f1=0.7550 time=24.05s
Experiment 29/42: Running LSTM_relu_Adam_seq100_noclip
[LSTM_relu_Adam_seq100_noclip] Epoch 1/10 | train_loss=0.5497 val_loss=0.4560 acc=0.7805 f1=0.7778 time=45.17s
[LSTM_relu_Adam_seq100_noclip] Epoch 2/10 | train_loss=0.3760 val_loss=0.4026 acc=0.8144 f1=0.8134 time=45.01s
[LSTM_relu_Adam_seq100_noclip] Epoch 3/10 | train_loss=0.2955 val_loss=0.3916 acc=0.8299 f1=0.8298 time=45.06s
[LSTM_relu_Adam_seq100_noclip] Epoch 4/10 | train_loss=0.2304 val_loss=0.4301 acc=0.8291 f1=0.8290 time=1235.21s
[LSTM_relu_Adam_seq100_noclip] Epoch 5/10 | train_loss=0.1715 val_loss=0.4921 acc=0.8256 f1=0.8254 time=46.09s
[LSTM_relu_Adam_seq100_noclip] Epoch 6/10 | train_loss=0.1172 val_loss=0.5769 acc=0.8198 f1=0.8198 time=46.05s
[LSTM_relu_Adam_seq100_noclip] Epoch 7/10 | train_loss=0.0727 val_loss=0.7461 acc=0.8184 f1=0.8183 time=48.25s
[LSTM_relu_Adam_seq100_noclip] Epoch 8/10 | train_loss=0.0519 val_loss=0.8602 acc=0.8187 f1=0.8187 time=46.54s

[LSTM_relu_Adam_seq100_noclip] Epoch 9/10 | train_loss=0.0338 val_loss=1.4507 acc=0.8070 f1=0.8056 time=45.95s
[LSTM_relu_Adam_seq100_noclip] Epoch 10/10 | train_loss=0.0234 val_loss=1.4285 acc=0.8155 f1=0.8155 time=45.88s
Experiment 30/42: Running LSTM_relu_Adam_seq100_clip
[LSTM_relu_Adam_seq100_clip] Epoch 1/10 | train_loss=0.5489 val_loss=0.4574 acc=0.7786 f1=0.7755 time=46.42s
[LSTM_relu_Adam_seq100_clip] Epoch 2/10 | train_loss=0.3790 val_loss=0.4078 acc=0.8106 f1=0.8094 time=46.64s
[LSTM_relu_Adam_seq100_clip] Epoch 3/10 | train_loss=0.2970 val_loss=0.4000 acc=0.8302 f1=0.8302 time=46.43s
[LSTM_relu_Adam_seq100_clip] Epoch 4/10 | train_loss=0.2327 val_loss=0.4427 acc=0.8263 f1=0.8261 time=46.49s
[LSTM_relu_Adam_seq100_clip] Epoch 5/10 | train_loss=0.1718 val_loss=0.5426 acc=0.8226 f1=0.8224 time=46.38s
[LSTM_relu_Adam_seq100_clip] Epoch 6/10 | train_loss=0.1198 val_loss=0.6521 acc=0.8158 f1=0.8157 time=46.45s
[LSTM_relu_Adam_seq100_clip] Epoch 7/10 | train_loss=0.0805 val_loss=0.8780 acc=0.8101 f1=0.8098 time=46.35s
[LSTM_relu_Adam_seq100_clip] Epoch 8/10 | train_loss=0.0522 val_loss=1.2304 acc=0.8030 f1=0.8023 time=46.41s
[LSTM_relu_Adam_seq100_clip] Epoch 9/10 | train_loss=0.0392 val_loss=1.3113 acc=0.8128 f1=0.8128 time=46.56s
[LSTM_relu_Adam_seq100_clip] Epoch 10/10 | train_loss=0.0303 val_loss=1.5121 acc=0.8093 f1=0.8087 time=46.69s
Experiment 31/42: Running LSTM_relu_SGD_seq25_noclip
[LSTM_relu_SGD_seq25_noclip] Epoch 1/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=11.35s
[LSTM_relu_SGD_seq25_noclip] Epoch 2/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=11.23s
[LSTM_relu_SGD_seq25_noclip] Epoch 3/10 | train_loss=0.6931 val_loss=0.6932 acc=0.5001 f1=0.3361 time=11.36s
[LSTM_relu_SGD_seq25_noclip] Epoch 4/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4983 f1=0.3403 time=11.50s
[LSTM_relu_SGD_seq25_noclip] Epoch 5/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4968 f1=0.3577 time=11.31s
[LSTM_relu_SGD_seq25_noclip] Epoch 6/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4940 f1=0.4223 time=11.38s
[LSTM_relu_SGD_seq25_noclip] Epoch 7/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4917 f1=0.4649 time=11.29s
[LSTM_relu_SGD_seq25_noclip] Epoch 8/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4923 f1=0.4748 time=11.24s
[LSTM_relu_SGD_seq25_noclip] Epoch 9/10 | train_loss=0.6934 val_loss=0.6932 acc=0.4916 f1=0.4700 time=11.20s
[LSTM_relu_SGD_seq25_noclip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4936 f1=0.4864 time=11.10s
Experiment 32/42: Running LSTM_relu_SGD_seq25_clip
[LSTM_relu_SGD_seq25_clip] Epoch 1/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=11.70s
[LSTM_relu_SGD_seq25_clip] Epoch 2/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=11.63s

[LSTM_relu_SGD_seq25_clip] Epoch 3/10 | train_loss=0.6931 val_loss=0.6932 acc=0.5001 f1=0.3361 time=11.58s
[LSTM_relu_SGD_seq25_clip] Epoch 4/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4983 f1=0.3403 time=11.90s
[LSTM_relu_SGD_seq25_clip] Epoch 5/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4968 f1=0.3577 time=11.36s
[LSTM_relu_SGD_seq25_clip] Epoch 6/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4940 f1=0.4223 time=11.65s
[LSTM_relu_SGD_seq25_clip] Epoch 7/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4917 f1=0.4649 time=11.68s
[LSTM_relu_SGD_seq25_clip] Epoch 8/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4923 f1=0.4748 time=11.55s
[LSTM_relu_SGD_seq25_clip] Epoch 9/10 | train_loss=0.6934 val_loss=0.6932 acc=0.4916 f1=0.4700 time=11.58s
[LSTM_relu_SGD_seq25_clip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4936 f1=0.4864 time=11.61s
Experiment 33/42: Running LSTM_relu_SGD_seq50_noclip
[LSTM_relu_SGD_seq50_noclip] Epoch 1/10 | train_loss=0.6934 val_loss=0.6932 acc=0.5000 f1=0.3333 time=22.40s
[LSTM_relu_SGD_seq50_noclip] Epoch 2/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=22.10s
[LSTM_relu_SGD_seq50_noclip] Epoch 3/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3334 time=22.79s
[LSTM_relu_SGD_seq50_noclip] Epoch 4/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4995 f1=0.3336 time=22.72s
[LSTM_relu_SGD_seq50_noclip] Epoch 5/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4982 f1=0.3393 time=22.73s
[LSTM_relu_SGD_seq50_noclip] Epoch 6/10 | train_loss=0.6934 val_loss=0.6932 acc=0.4968 f1=0.3591 time=22.14s
[LSTM_relu_SGD_seq50_noclip] Epoch 7/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4956 f1=0.3687 time=22.65s
[LSTM_relu_SGD_seq50_noclip] Epoch 8/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4948 f1=0.4120 time=22.68s
[LSTM_relu_SGD_seq50_noclip] Epoch 9/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4962 f1=0.4597 time=22.44s
[LSTM_relu_SGD_seq50_noclip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4960 f1=0.4644 time=22.26s
Experiment 34/42: Running LSTM_relu_SGD_seq50_clip
[LSTM_relu_SGD_seq50_clip] Epoch 1/10 | train_loss=0.6934 val_loss=0.6932 acc=0.5000 f1=0.3333 time=22.88s
[LSTM_relu_SGD_seq50_clip] Epoch 2/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=23.10s
[LSTM_relu_SGD_seq50_clip] Epoch 3/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3334 time=22.68s
[LSTM_relu_SGD_seq50_clip] Epoch 4/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4995 f1=0.3336 time=22.73s
[LSTM_relu_SGD_seq50_clip] Epoch 5/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4982 f1=0.3393 time=22.83s
[LSTM_relu_SGD_seq50_clip] Epoch 6/10 | train_loss=0.6934 val_loss=0.6932 acc=0.4968 f1=0.3591 time=22.79s

[LSTM_relu_SGD_seq50_clip] Epoch 7/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4956 f1=0.3687 time=22.92s
[LSTM_relu_SGD_seq50_clip] Epoch 8/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4948 f1=0.4120 time=22.50s
[LSTM_relu_SGD_seq50_clip] Epoch 9/10 | train_loss=0.6931 val_loss=0.6932 acc=0.4962 f1=0.4597 time=22.34s
[LSTM_relu_SGD_seq50_clip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4960 f1=0.4644 time=22.22s
Experiment 35/42: Running LSTM_relu_SGD_seq100_noclip
[LSTM_relu_SGD_seq100_noclip] Epoch 1/10 | train_loss=0.6932 val_loss=0.6932 acc=0.5000 f1=0.3333 time=44.09s
[LSTM_relu_SGD_seq100_noclip] Epoch 2/10 | train_loss=0.6934 val_loss=0.6932 acc=0.5000 f1=0.3333 time=43.76s
[LSTM_relu_SGD_seq100_noclip] Epoch 3/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=43.83s
[LSTM_relu_SGD_seq100_noclip] Epoch 4/10 | train_loss=0.6934 val_loss=0.6932 acc=0.5001 f1=0.3335 time=44.10s
[LSTM_relu_SGD_seq100_noclip] Epoch 5/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4996 f1=0.3346 time=43.96s
[LSTM_relu_SGD_seq100_noclip] Epoch 6/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4975 f1=0.3431 time=44.24s
[LSTM_relu_SGD_seq100_noclip] Epoch 7/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4977 f1=0.3656 time=43.85s
[LSTM_relu_SGD_seq100_noclip] Epoch 8/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4970 f1=0.3908 time=43.82s
[LSTM_relu_SGD_seq100_noclip] Epoch 9/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4956 f1=0.4196 time=44.06s
[LSTM_relu_SGD_seq100_noclip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4943 f1=0.4598 time=44.17s
Experiment 36/42: Running LSTM_relu_SGD_seq100_clip
[LSTM_relu_SGD_seq100_clip] Epoch 1/10 | train_loss=0.6932 val_loss=0.6932 acc=0.5000 f1=0.3333 time=44.67s
[LSTM_relu_SGD_seq100_clip] Epoch 2/10 | train_loss=0.6934 val_loss=0.6932 acc=0.5000 f1=0.3333 time=44.56s
[LSTM_relu_SGD_seq100_clip] Epoch 3/10 | train_loss=0.6933 val_loss=0.6932 acc=0.5000 f1=0.3333 time=44.36s
[LSTM_relu_SGD_seq100_clip] Epoch 4/10 | train_loss=0.6934 val_loss=0.6932 acc=0.5001 f1=0.3335 time=44.40s
[LSTM_relu_SGD_seq100_clip] Epoch 5/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4996 f1=0.3346 time=44.40s
[LSTM_relu_SGD_seq100_clip] Epoch 6/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4975 f1=0.3431 time=44.49s
[LSTM_relu_SGD_seq100_clip] Epoch 7/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4977 f1=0.3656 time=44.44s
[LSTM_relu_SGD_seq100_clip] Epoch 8/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4970 f1=0.3908 time=44.50s
[LSTM_relu_SGD_seq100_clip] Epoch 9/10 | train_loss=0.6932 val_loss=0.6932 acc=0.4956 f1=0.4196 time=44.70s
[LSTM_relu_SGD_seq100_clip] Epoch 10/10 | train_loss=0.6933 val_loss=0.6932 acc=0.4943 f1=0.4598 time=44.32s
Experiment 37/42: Running LSTM_relu_RMSProp_seq25_noclip

[LSTM_relu_RMSProp_seq25_noclip] Epoch 1/10 | train_loss=0.6287 val_loss=0.6150 acc=0.6584 f1=0.6430 time=13.00s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 2/10 | train_loss=0.5342 val_loss=0.5499 acc=0.7101 f1=0.7100 time=12.89s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 3/10 | train_loss=0.4759 val_loss=0.5468 acc=0.7223 f1=0.7223 time=12.90s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 4/10 | train_loss=0.4215 val_loss=0.5724 acc=0.7194 f1=0.7194 time=13.08s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 5/10 | train_loss=0.3674 val_loss=0.6864 acc=0.7194 f1=0.7177 time=13.35s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 6/10 | train_loss=0.3098 val_loss=0.6735 acc=0.7174 f1=0.7170 time=13.00s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 7/10 | train_loss=0.2553 val_loss=0.9535 acc=0.7063 f1=0.7043 time=13.03s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 8/10 | train_loss=0.2018 val_loss=0.9365 acc=0.7128 f1=0.7127 time=13.05s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 9/10 | train_loss=0.1560 val_loss=1.3530 acc=0.7082 f1=0.7068 time=12.98s
[LSTM_relu_RMSProp_seq25_noclip] Epoch 10/10 | train_loss=0.1183 val_loss=1.5294 acc=0.7052 f1=0.7044 time=12.96s
Experiment 38/42: Running LSTM_relu_RMSProp_seq25_clip
[LSTM_relu_RMSProp_seq25_clip] Epoch 1/10 | train_loss=0.6288 val_loss=0.6034 acc=0.6660 f1=0.6555 time=12.20s
[LSTM_relu_RMSProp_seq25_clip] Epoch 2/10 | train_loss=0.5342 val_loss=0.5496 acc=0.7102 f1=0.7102 time=12.10s
[LSTM_relu_RMSProp_seq25_clip] Epoch 3/10 | train_loss=0.4758 val_loss=0.5510 acc=0.7218 f1=0.7217 time=12.18s
[LSTM_relu_RMSProp_seq25_clip] Epoch 4/10 | train_loss=0.4212 val_loss=0.5730 acc=0.7187 f1=0.7187 time=12.22s
[LSTM_relu_RMSProp_seq25_clip] Epoch 5/10 | train_loss=0.3669 val_loss=0.6877 acc=0.7201 f1=0.7183 time=12.35s
[LSTM_relu_RMSProp_seq25_clip] Epoch 6/10 | train_loss=0.3099 val_loss=0.7137 acc=0.7159 f1=0.7158 time=12.34s
[LSTM_relu_RMSProp_seq25_clip] Epoch 7/10 | train_loss=0.2554 val_loss=0.9385 acc=0.7086 f1=0.7076 time=12.19s
[LSTM_relu_RMSProp_seq25_clip] Epoch 8/10 | train_loss=0.2042 val_loss=1.0297 acc=0.7098 f1=0.7098 time=12.32s
[LSTM_relu_RMSProp_seq25_clip] Epoch 9/10 | train_loss=0.1585 val_loss=1.4134 acc=0.7059 f1=0.7049 time=11.31s
[LSTM_relu_RMSProp_seq25_clip] Epoch 10/10 | train_loss=0.1232 val_loss=1.8869 acc=0.7050 f1=0.7043 time=12.12s
Experiment 39/42: Running LSTM_relu_RMSProp_seq50_noclip
[LSTM_relu_RMSProp_seq50_noclip] Epoch 1/10 | train_loss=0.5881 val_loss=0.5601 acc=0.7040 f1=0.6905 time=22.15s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 2/10 | train_loss=0.4627 val_loss=0.5036 acc=0.7438 f1=0.7377 time=21.91s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 3/10 | train_loss=0.3940 val_loss=0.4865 acc=0.7729 f1=0.7714 time=21.84s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 4/10 | train_loss=0.3350 val_loss=0.5315 acc=0.7777 f1=0.7776 time=21.81s

[LSTM_relu_RMSProp_seq50_noclip] Epoch 5/10 | train_loss=0.2814 val_loss=0.5550 acc=0.7611 f1=0.7591 time=22.16s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 6/10 | train_loss=0.2249 val_loss=0.5949 acc=0.7734 f1=0.7730 time=21.90s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 7/10 | train_loss=0.1706 val_loss=0.6837 acc=0.7646 f1=0.7642 time=21.87s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 8/10 | train_loss=0.1266 val_loss=0.8233 acc=0.7581 f1=0.7546 time=22.08s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 9/10 | train_loss=0.0914 val_loss=1.0772 acc=0.7604 f1=0.7604 time=22.13s
[LSTM_relu_RMSProp_seq50_noclip] Epoch 10/10 | train_loss=0.0655 val_loss=1.2873 acc=0.7619 f1=0.7615 time=21.68s
Experiment 40/42: Running LSTM_relu_RMSProp_seq50_clip
[LSTM_relu_RMSProp_seq50_clip] Epoch 1/10 | train_loss=0.5881 val_loss=0.5396 acc=0.7206 f1=0.7139 time=22.83s
[LSTM_relu_RMSProp_seq50_clip] Epoch 2/10 | train_loss=0.4625 val_loss=0.4847 acc=0.7594 f1=0.7573 time=22.89s
[LSTM_relu_RMSProp_seq50_clip] Epoch 3/10 | train_loss=0.3938 val_loss=0.4927 acc=0.7734 f1=0.7722 time=22.46s
[LSTM_relu_RMSProp_seq50_clip] Epoch 4/10 | train_loss=0.3347 val_loss=0.5345 acc=0.7773 f1=0.7772 time=22.82s
[LSTM_relu_RMSProp_seq50_clip] Epoch 5/10 | train_loss=0.2807 val_loss=0.5602 acc=0.7603 f1=0.7583 time=22.48s
[LSTM_relu_RMSProp_seq50_clip] Epoch 6/10 | train_loss=0.2227 val_loss=0.6445 acc=0.7719 f1=0.7714 time=22.78s
[LSTM_relu_RMSProp_seq50_clip] Epoch 7/10 | train_loss=0.1720 val_loss=0.6997 acc=0.7672 f1=0.7672 time=22.65s
[LSTM_relu_RMSProp_seq50_clip] Epoch 8/10 | train_loss=0.1279 val_loss=0.9062 acc=0.7669 f1=0.7666 time=710.76s
[LSTM_relu_RMSProp_seq50_clip] Epoch 9/10 | train_loss=0.0925 val_loss=1.2522 acc=0.7615 f1=0.7614 time=23.60s
[LSTM_relu_RMSProp_seq50_clip] Epoch 10/10 | train_loss=0.0683 val_loss=1.8987 acc=0.7569 f1=0.7566 time=23.47s
Experiment 41/42: Running LSTM_relu_RMSProp_seq100_noclip
[LSTM_relu_RMSProp_seq100_noclip] Epoch 1/10 | train_loss=0.5347 val_loss=0.5371 acc=0.7312 f1=0.7169 time=45.36s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 2/10 | train_loss=0.3855 val_loss=0.3991 acc=0.8205 f1=0.8205 time=46.07s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 3/10 | train_loss=0.3243 val_loss=0.3957 acc=0.8254 f1=0.8250 time=45.48s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 4/10 | train_loss=0.2712 val_loss=0.4143 acc=0.8260 f1=0.8258 time=45.49s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 5/10 | train_loss=0.2223 val_loss=0.4151 acc=0.8303 f1=0.8302 time=46.09s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 6/10 | train_loss=0.1720 val_loss=0.4735 acc=0.8290 f1=0.8290 time=45.99s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 7/10 | train_loss=0.1302 val_loss=0.6227 acc=0.8092 f1=0.8079 time=46.46s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 8/10 | train_loss=0.0915 val_loss=0.6209 acc=0.8196 f1=0.8191 time=46.21s

[LSTM_relu_RMSProp_seq100_noclip] Epoch 9/10 | train_loss=0.0627 val_loss=0.8879 acc=0.8186 f1=0.8184 time=45.98s
[LSTM_relu_RMSProp_seq100_noclip] Epoch 10/10 | train_loss=0.0425 val_loss=1.2632 acc=0.7778 f1=0.7734 time=45.99s
Experiment 42/42: Running LSTM_relu_RMSProp_seq100_clip
[LSTM_relu_RMSProp_seq100_clip] Epoch 1/10 | train_loss=0.5359 val_loss=0.4826 acc=0.7653 f1=0.7595 time=46.51s
[LSTM_relu_RMSProp_seq100_clip] Epoch 2/10 | train_loss=0.3868 val_loss=0.4038 acc=0.8170 f1=0.8169 time=46.58s
[LSTM_relu_RMSProp_seq100_clip] Epoch 3/10 | train_loss=0.3151 val_loss=0.4156 acc=0.8224 f1=0.8222 time=46.77s
[LSTM_relu_RMSProp_seq100_clip] Epoch 4/10 | train_loss=0.2626 val_loss=0.4469 acc=0.8208 f1=0.8205 time=47.77s
[LSTM_relu_RMSProp_seq100_clip] Epoch 5/10 | train_loss=0.2114 val_loss=0.4676 acc=0.8260 f1=0.8259 time=46.73s
[LSTM_relu_RMSProp_seq100_clip] Epoch 6/10 | train_loss=0.1643 val_loss=0.5288 acc=0.8221 f1=0.8221 time=46.82s
[LSTM_relu_RMSProp_seq100_clip] Epoch 7/10 | train_loss=0.1288 val_loss=0.6545 acc=0.8147 f1=0.8143 time=46.52s
[LSTM_relu_RMSProp_seq100_clip] Epoch 8/10 | train_loss=0.0907 val_loss=0.7450 acc=0.8180 f1=0.8178 time=46.85s
[LSTM_relu_RMSProp_seq100_clip] Epoch 9/10 | train_loss=0.0623 val_loss=1.0571 acc=0.8145 f1=0.8143 time=46.02s
[LSTM_relu_RMSProp_seq100_clip] Epoch 10/10 | train_loss=0.0447 val_loss=1.3370 acc=0.8030 f1=0.8020 time=46.40s
Saved final metrics to results/metrics.csv