RNN Model Training Report

Total Training Time: 31.02 seconds
Average Time per Epoch: 3.10 seconds
Inference Time on Test Set: 0.05 seconds

Test Loss: 0.1387
Test Accuracy: 96.43%

Model Size: 0.23 MB

Configuration and Hyperparameters

Data Directory: data\2024-11-24T10_13_28_d300sec_w1000ms
Training Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\training.csv
Testing Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\testing.csv
Model Save Path: saved_models\rnn_normalized_absolute_w1000ms.pth
PDF Report Path: run_reports\rnn_normalized_absolute_w1000ms.pdf
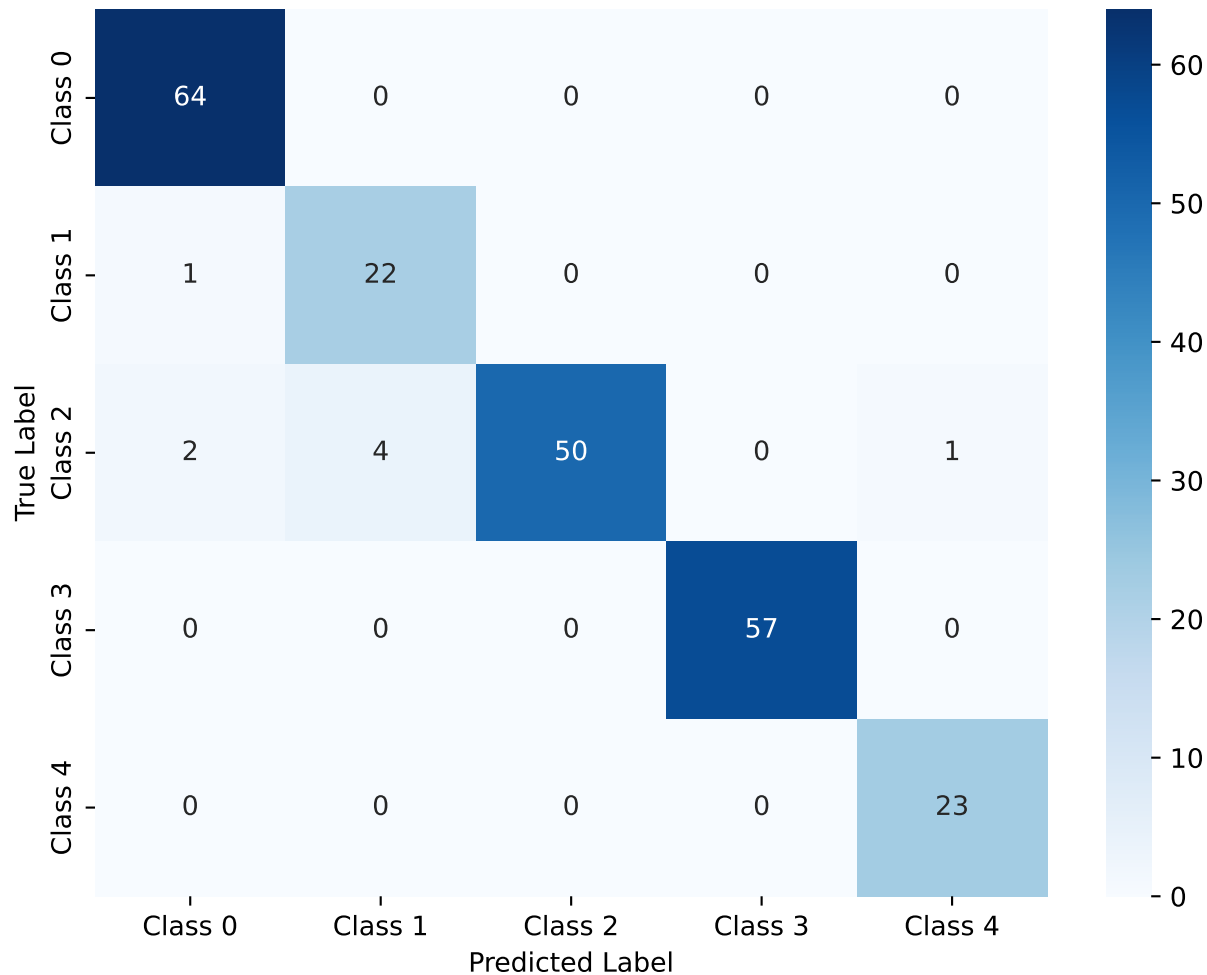
Hyperparameters:
  num_features: 72
  window_size: 60
  num_classes: 5
  batch_size: 32
  num_epochs: 10
  learning_rate: 0.001
  validation_split: 0.2
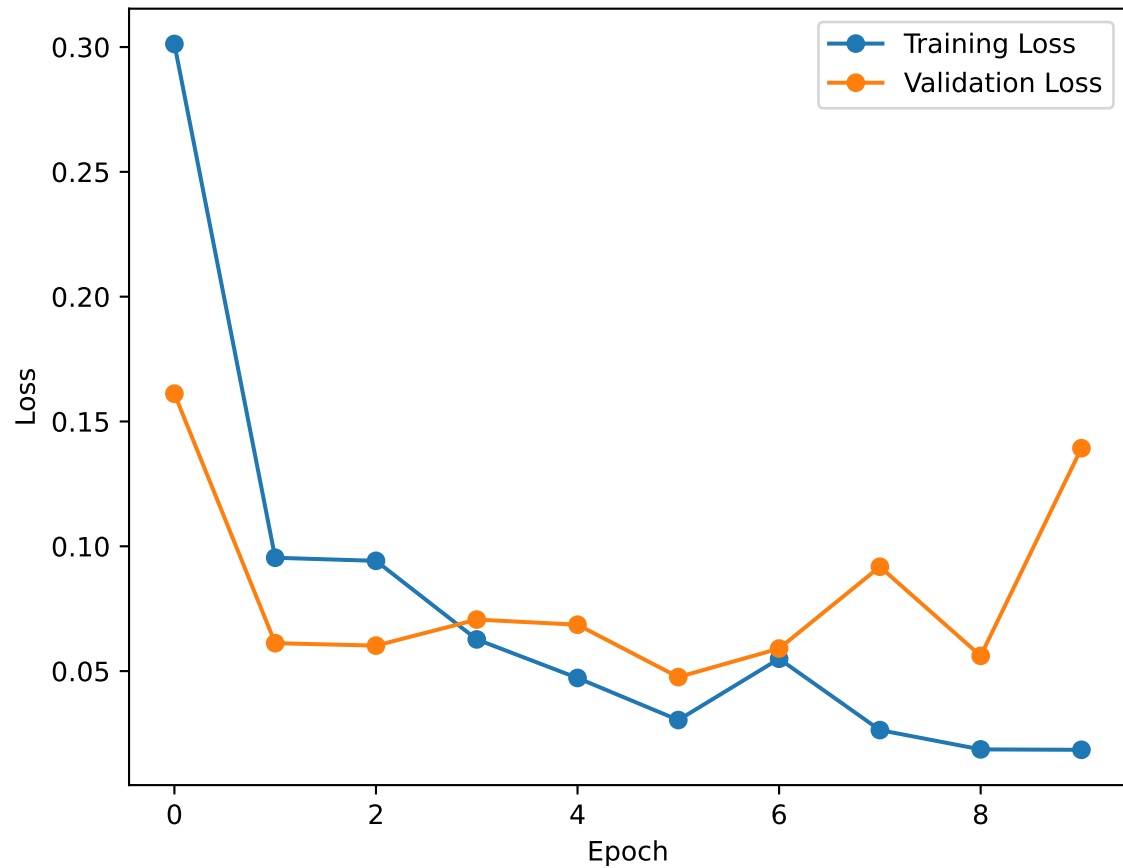 hidden_size: 128
  num_layers: 2

Classification Report

	precision	recall	f1-score	support
Class 0	0.96	1.00	0.98	64
Class 1	0.85	0.96	0.90	23
Class 2	1.00	0.88	0.93	57
Class 3	1.00	1.00	1.00	57
Class 4	0.96	1.00	0.98	23
accuracy			0.96	224
macro avg	0.95	0.97	0.96	224
weighted avg	0.97	0.96	0.96	224

Confusion Matrix

Loss Curve

- Training Loss
- Validation Loss

Accuracy Curve

- Training Accuracy
- Validation Accuracy