

saved_models\cnn2d_model_normalized_after_relative_w1000ms.pth Training Report

Total Training Time: 353.03 seconds

Total Inference Time: 0.58 seconds

Train time per epoch: 17.65 seconds

Test Loss: 0.5073

Test Accuracy: 89.73%

Model Size: 17.17 MB

Configuration and Hyperparameters

Data Paths:

Data Directory: data\2024-11-24T10_13_28_d300sec_w1000ms
Training Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\training.csv
Test Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\testing.csv
Model Save Path: saved_models\cnn2d_model_normalized_after_relative_w1000ms.pth
PDF Report Path: run_reports\cnn2d_model_normalized_after_relative_w1000ms.pdf

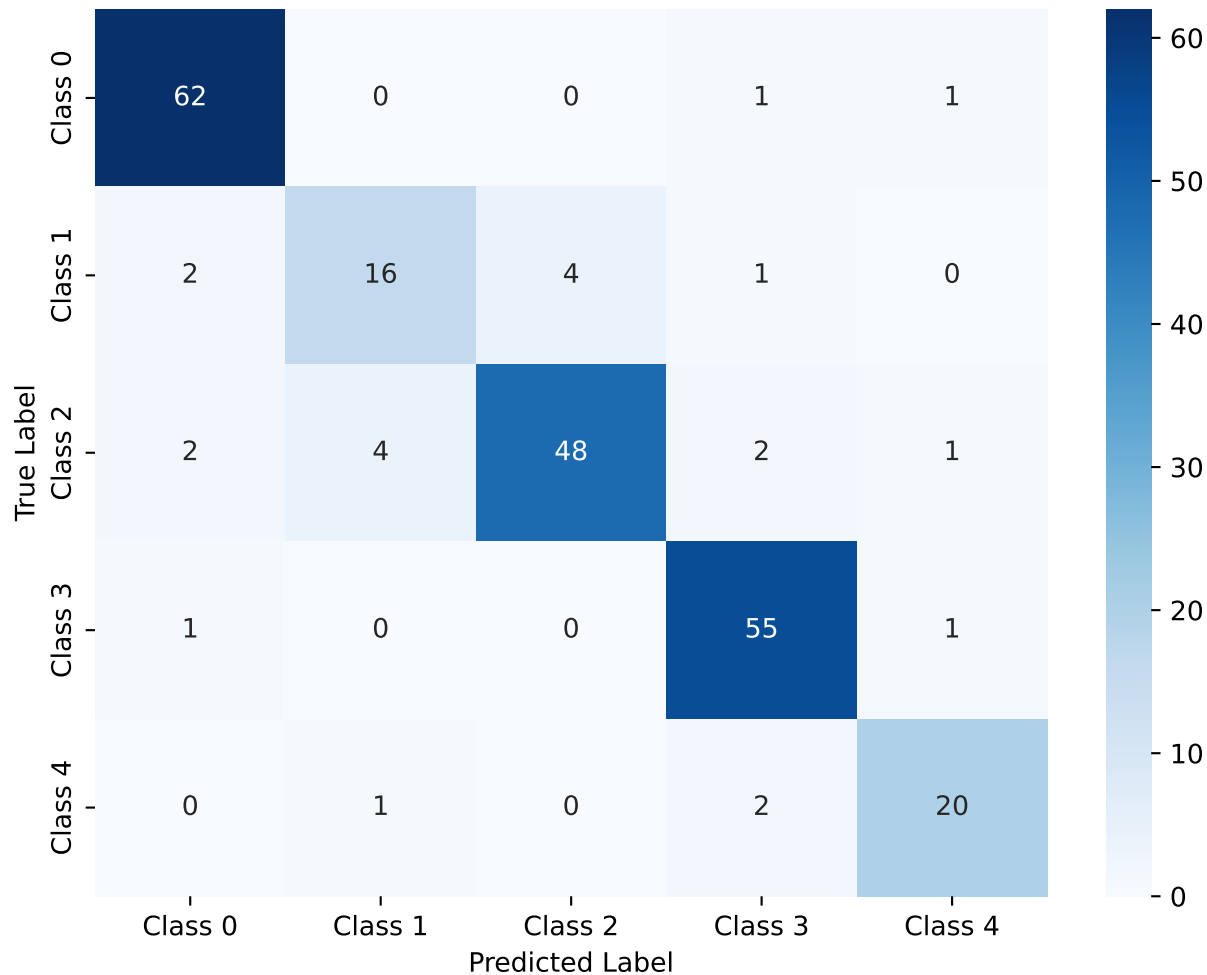
Basic Config:

num_features: 72
window_size: 60
num_classes: 5
batch_size: 32
num_epochs: 20
learning_rate: 0.001
validation_split: 0.2

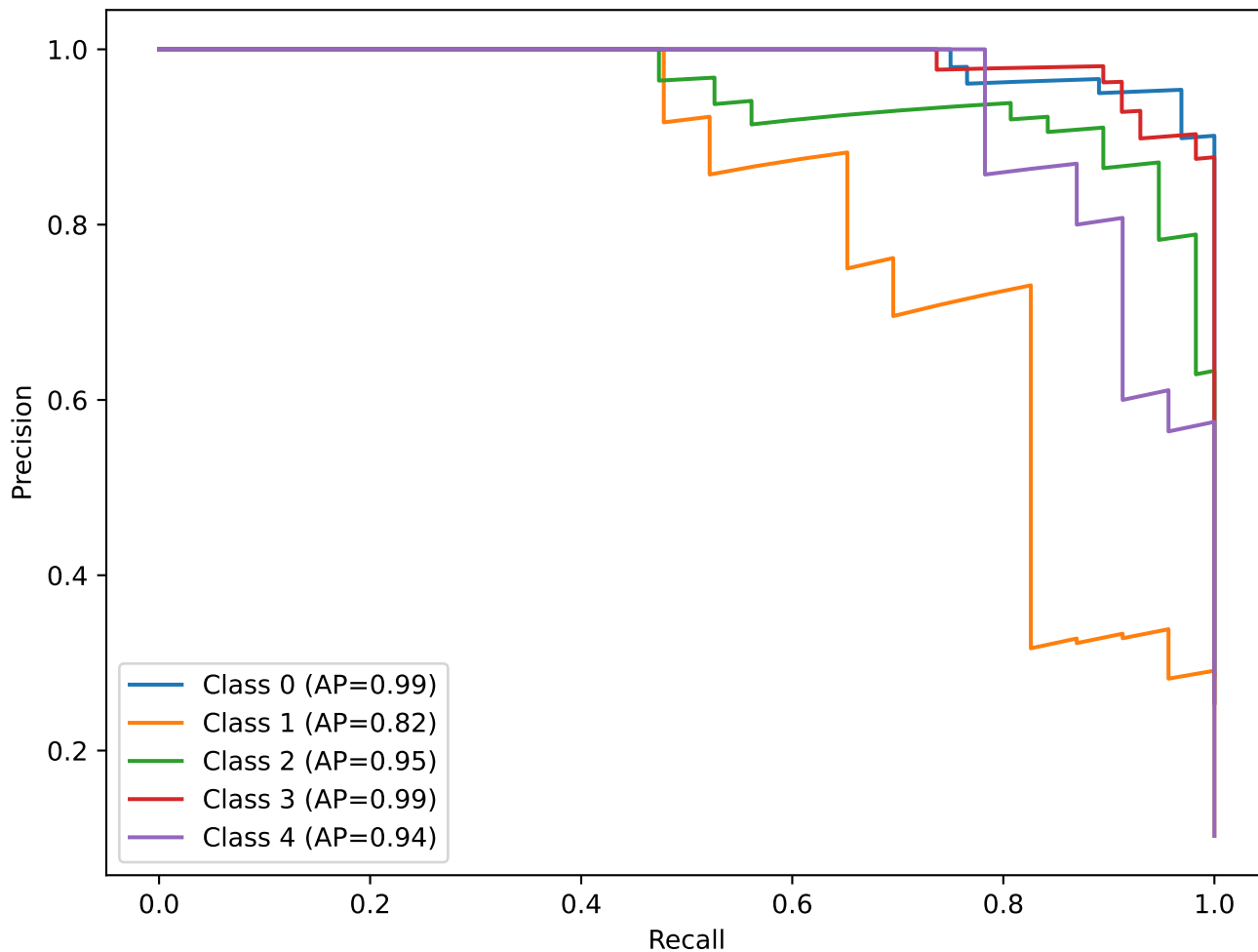
Classification Report

	precision	recall	f1-score	support
Class 0	0.93	0.97	0.95	64
Class 1	0.76	0.70	0.73	23
Class 2	0.92	0.84	0.88	57
Class 3	0.90	0.96	0.93	57
Class 4	0.87	0.87	0.87	23
accuracy			0.90	224
macro avg	0.88	0.87	0.87	224
weighted avg	0.90	0.90	0.90	224

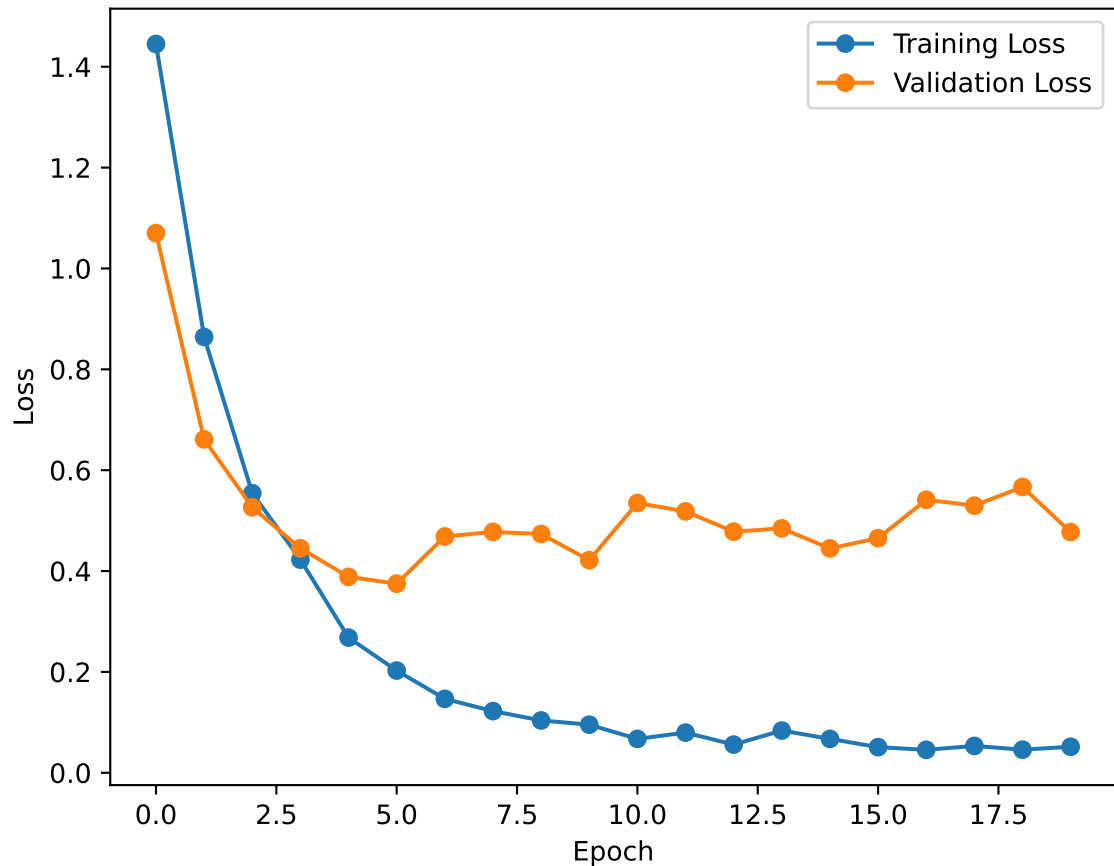
Confusion Matrix



Precision-Recall Curves



Loss Curve



Accuracy Curve

