

ConvNeXt Model Evaluation

Liver Fibrosis Staging

Performance Summary

Accuracy: 98.42%

Cohen's Kappa: 0.9793

F1-Score (Macro): 0.9768

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ConvNeXt Tiny with Balanced Training (WeightedRandomSampler)

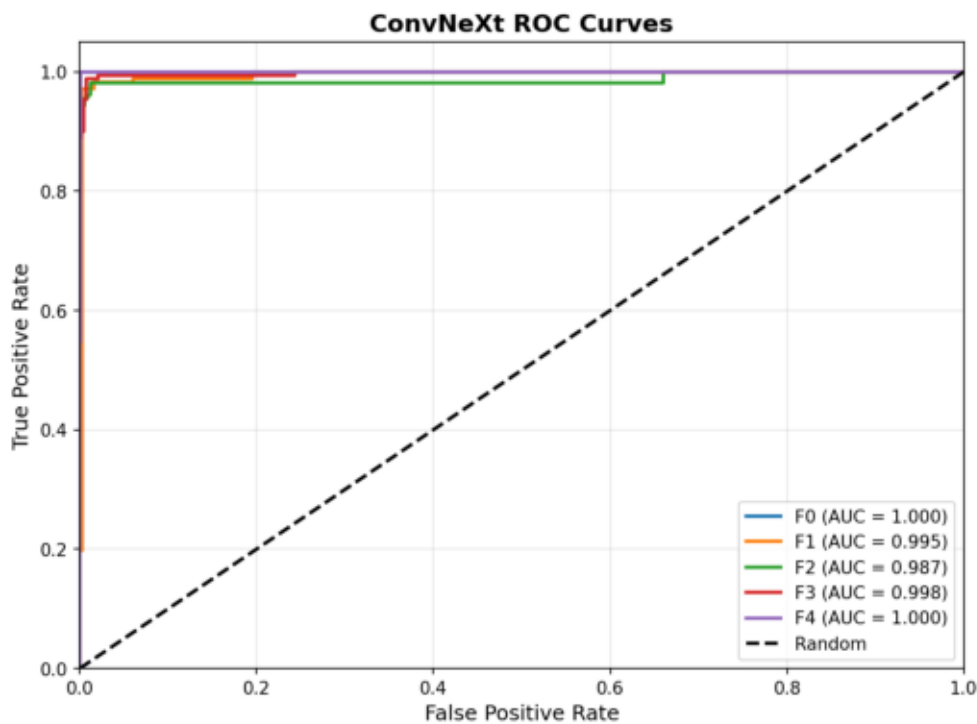
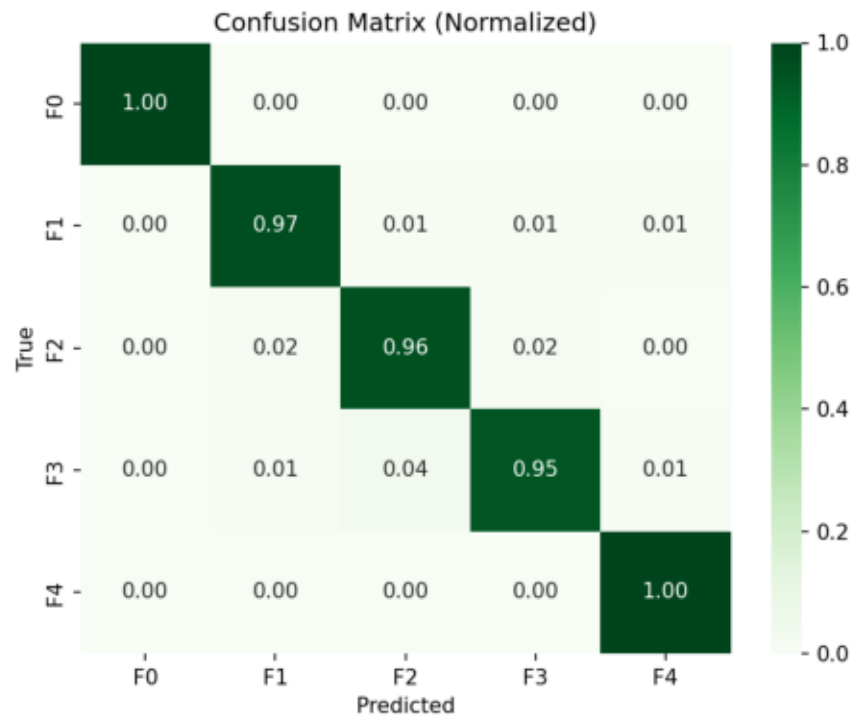
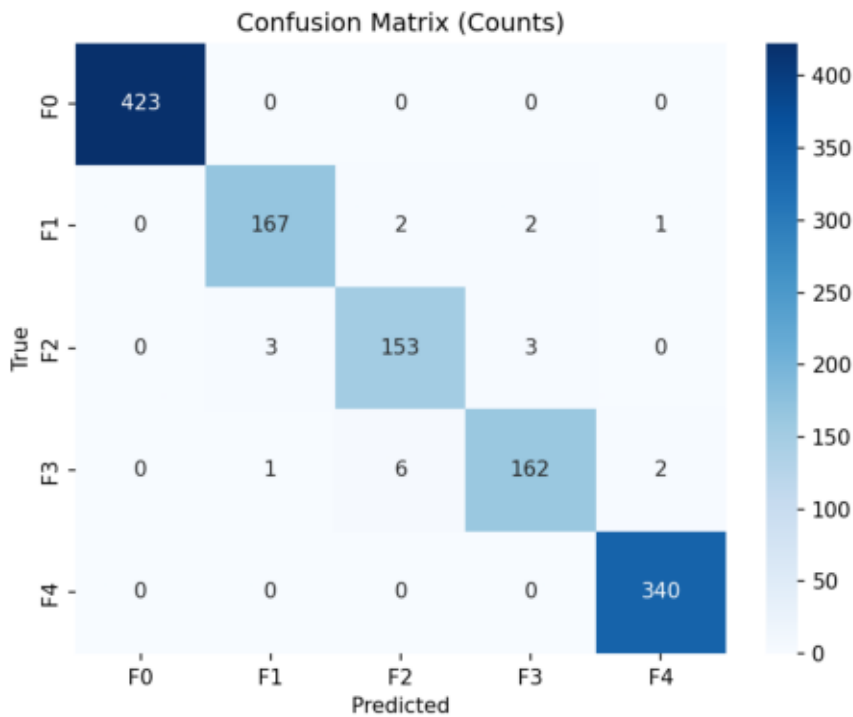
Detailed Performance Metrics

Metric	Value
Accuracy	98.42%
Cohen's Kappa	0.9793
Precision (Macro)	0.9776
Recall (Macro)	0.9761
F1-Score (Macro)	0.9768

Per-Class Performance

Class	Precision	Recall	F1-Score	AUC	Support
F0	1.0000	1.0000	1.0000	1.0000	423
F1	0.9766	0.9709	0.9738	0.9951	172
F2	0.9503	0.9623	0.9563	0.9870	159
F3	0.9701	0.9474	0.9586	0.9979	171
F4	0.9913	1.0000	0.9956	0.9995	340

ConvNeXt Visualizations



Classification Report

	precision	recall	f1-score	support
F0	1.00	1.00	1.00	423
F1	0.98	0.97	0.97	172
F2	0.95	0.96	0.96	159
F3	0.97	0.95	0.96	171
F4	0.99	1.00	1.00	340
accuracy			0.98	1265
macro avg	0.98	0.98	0.98	1265
weighted avg	0.98	0.98	0.98	1265