

Liver Fibrosis Staging

Ensemble Model Analysis Report

Soft-Voting Ensemble: ResNet50 + EfficientNet-V2 + ViT

Key Performance Indicators

Accuracy
94.39%

QWK Score
0.9683

F1 Macro
0.9217

Detailed Performance Metrics

Class	Precision	Recall	F1-Score	Support
F0	1.0000	1.0000	1.0000	423.0
F1	0.8677	0.9535	0.9086	172.0
F2	0.7958	0.9560	0.8686	159.0
F3	0.9778	0.7719	0.8627	171.0
F4	0.9878	0.9500	0.9685	340.0
Weighted Avg	0.9501	0.9439	0.9440	1265.0

Overall Accuracy: 94.39%

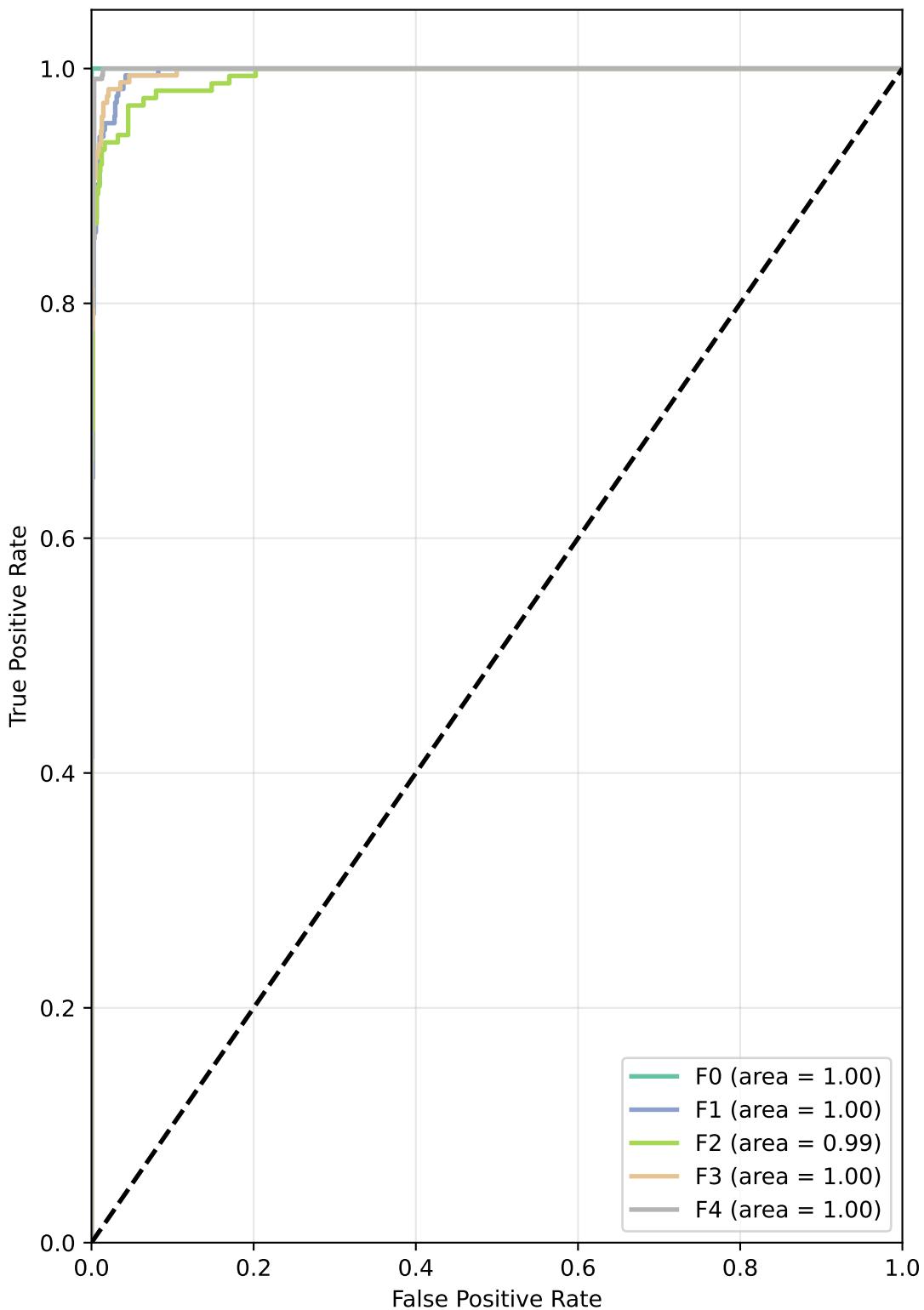
Cohen's Kappa (Quadratic): 0.9683

ROC-AUC (Macro): 0.9975

F1-Score (Macro): 0.9217

F1-Score (Weighted): 0.9440

ROC Curves



Confusion Matrix

Ensemble Confusion Matrix (QWK=0.968)

