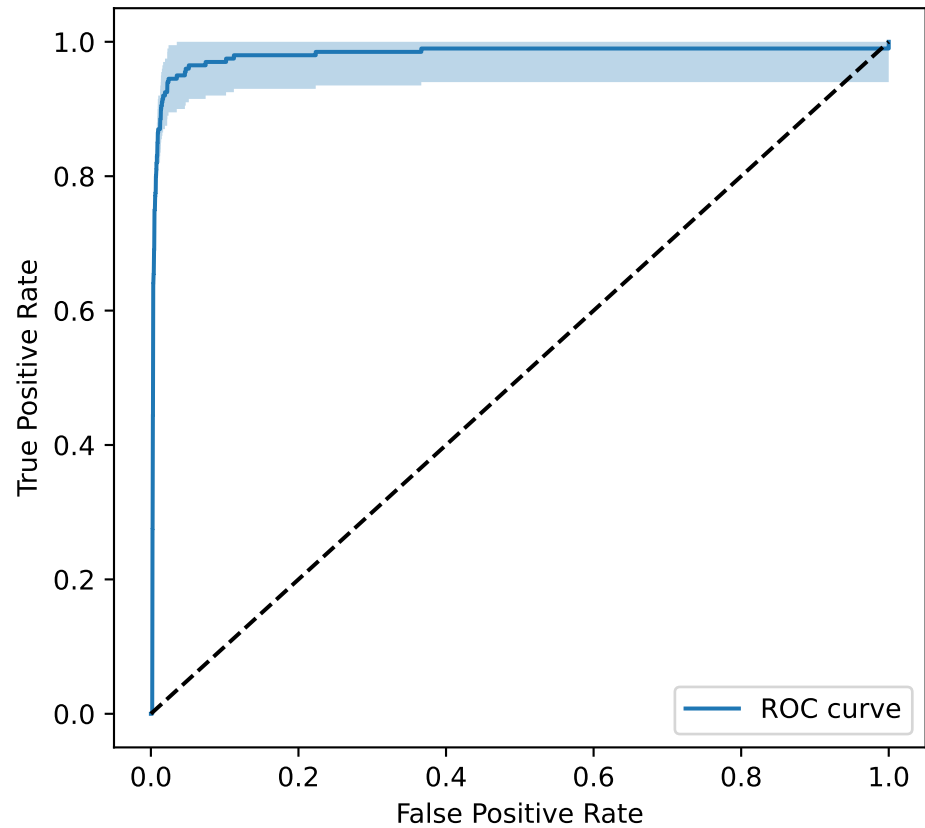
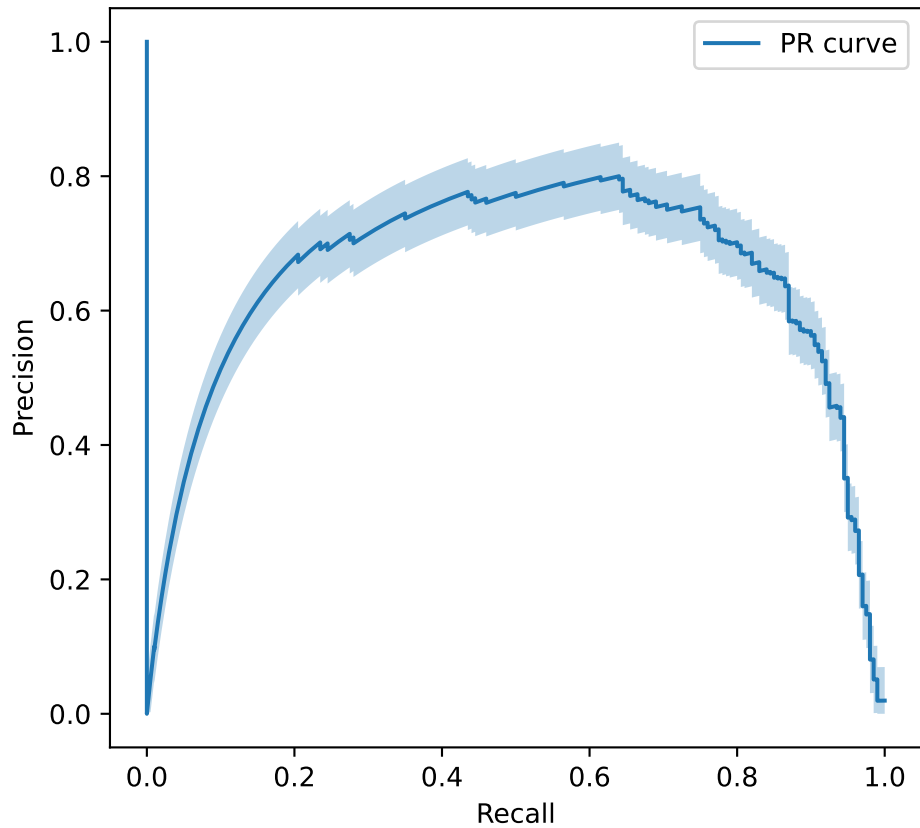


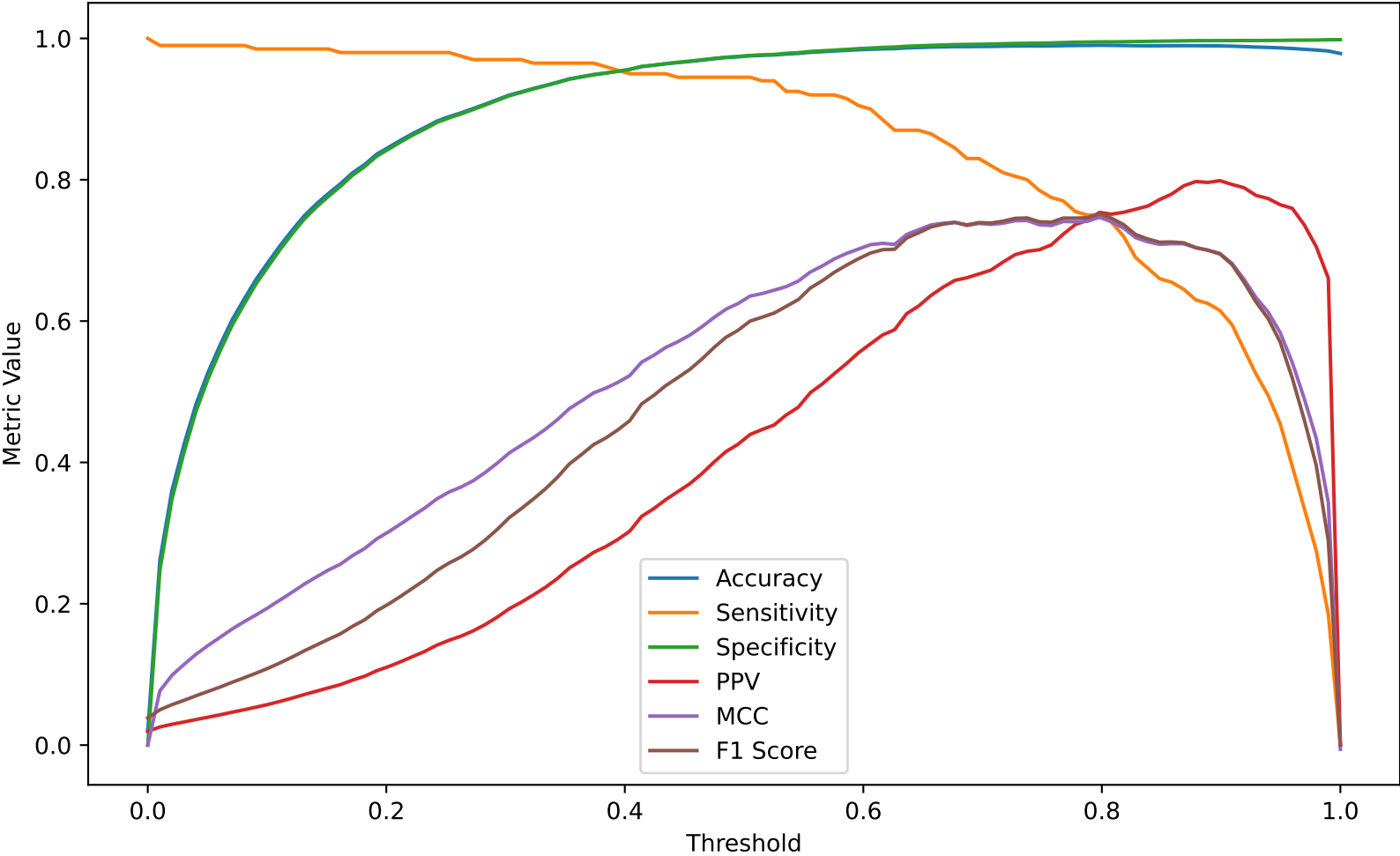
ROC Curve



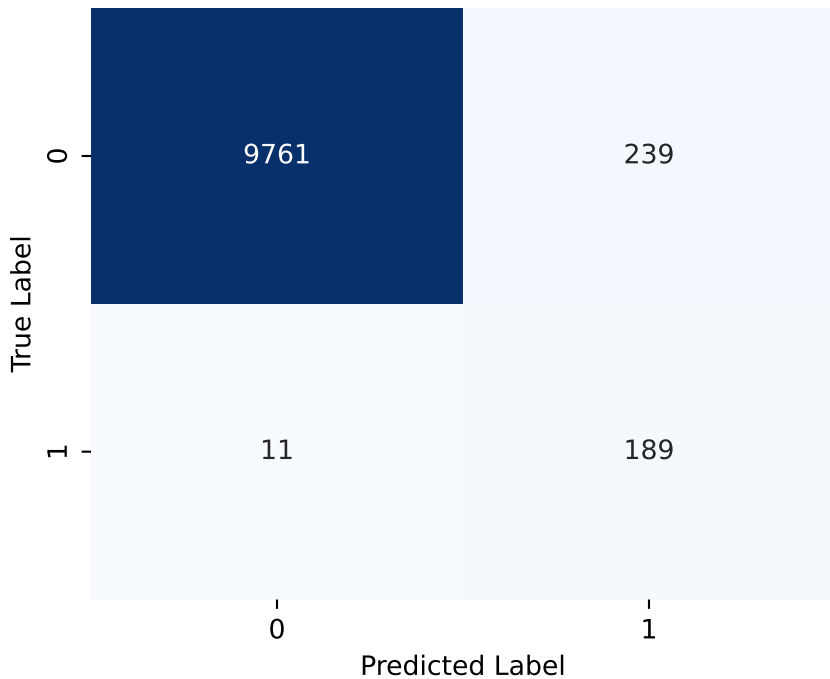
Precision-Recall Curve



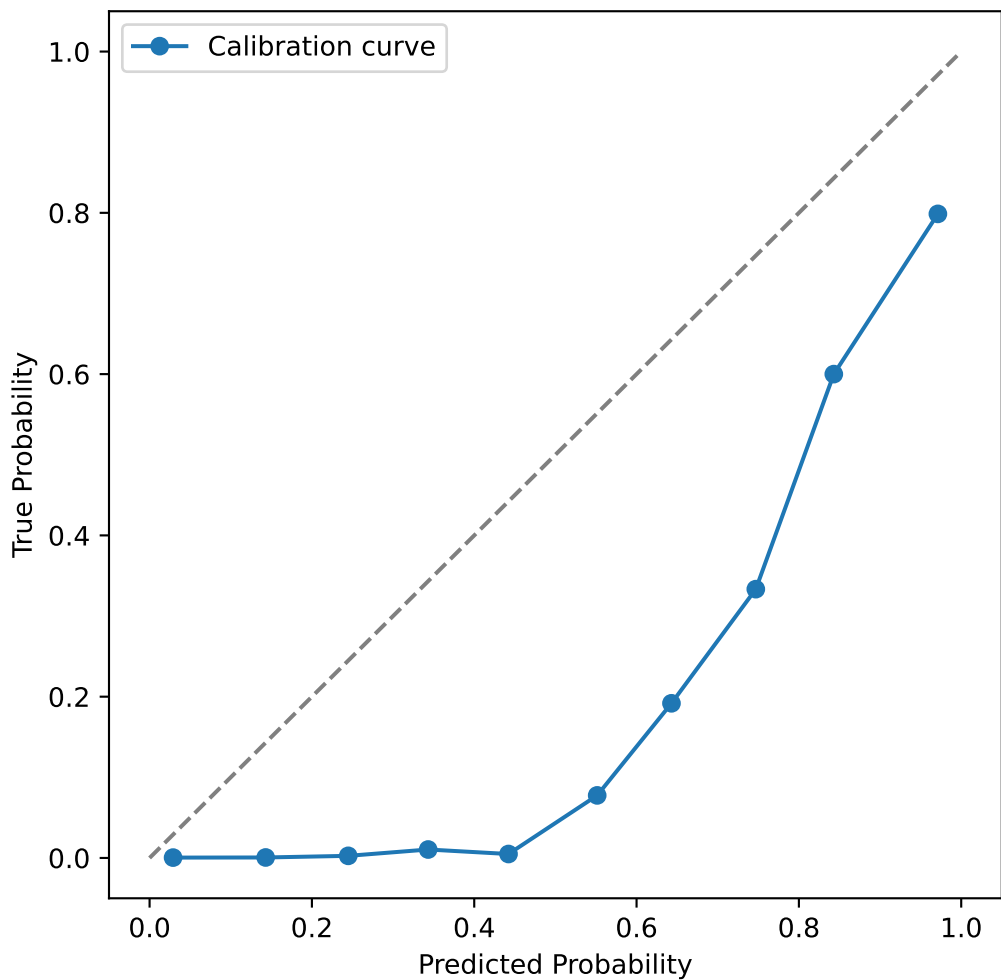
Metrics Across Thresholds



Confusion Matrix (Optimal Threshold)



Calibration Plot



Performance Metrics at Optimal Threshold

Metric	Value	95% CI
Accuracy	0.975	[0.972, 0.978]
Sensitivity	0.945	[0.912, 0.974]
Specificity	0.976	[0.973, 0.979]
PPV	0.442	[0.393, 0.485]
MCC	0.637	[0.596, 0.675]
F1 Score	0.602	[0.555, 0.647]
AUC-ROC	0.981	[0.965, 0.992]
AUC-PR	0.641	[0.576, 0.715]