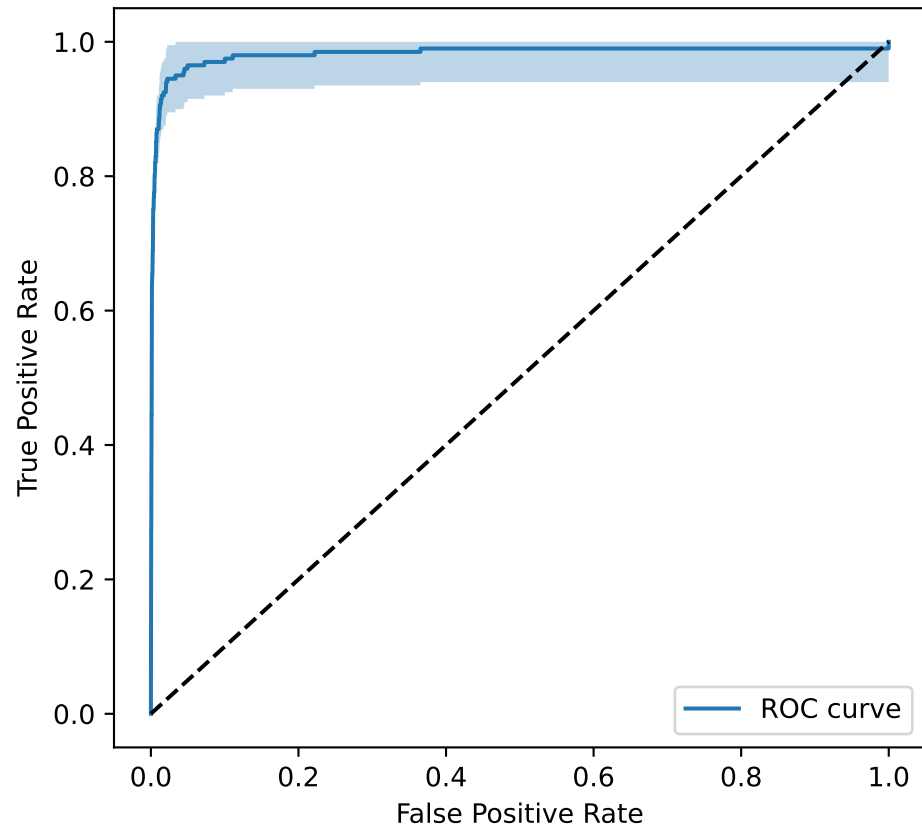
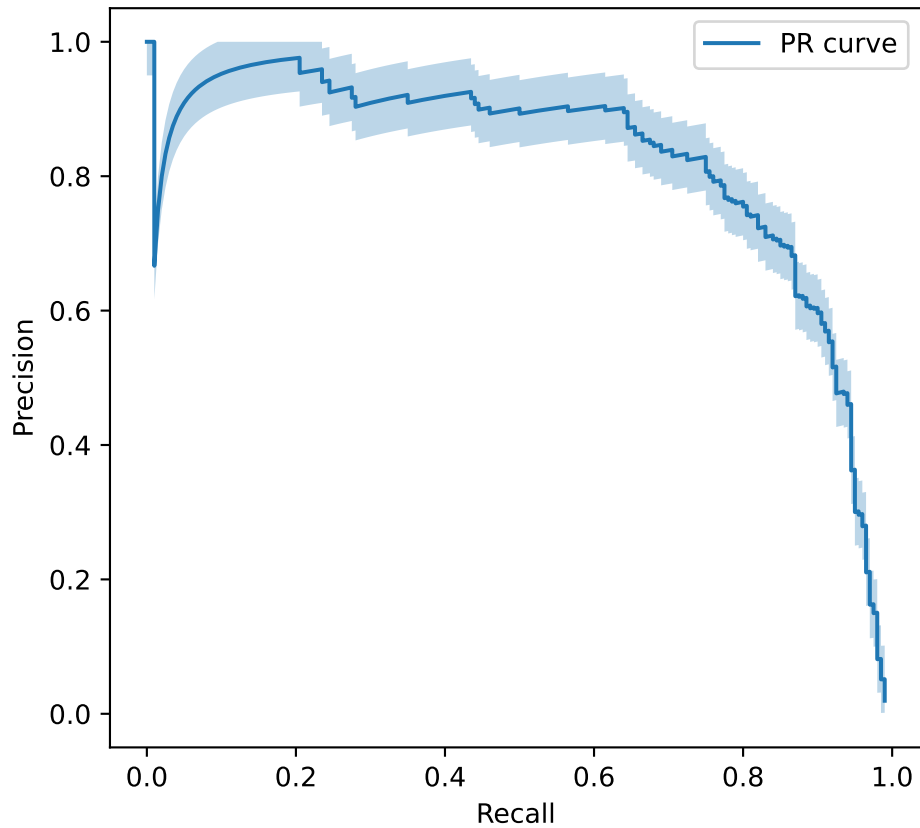


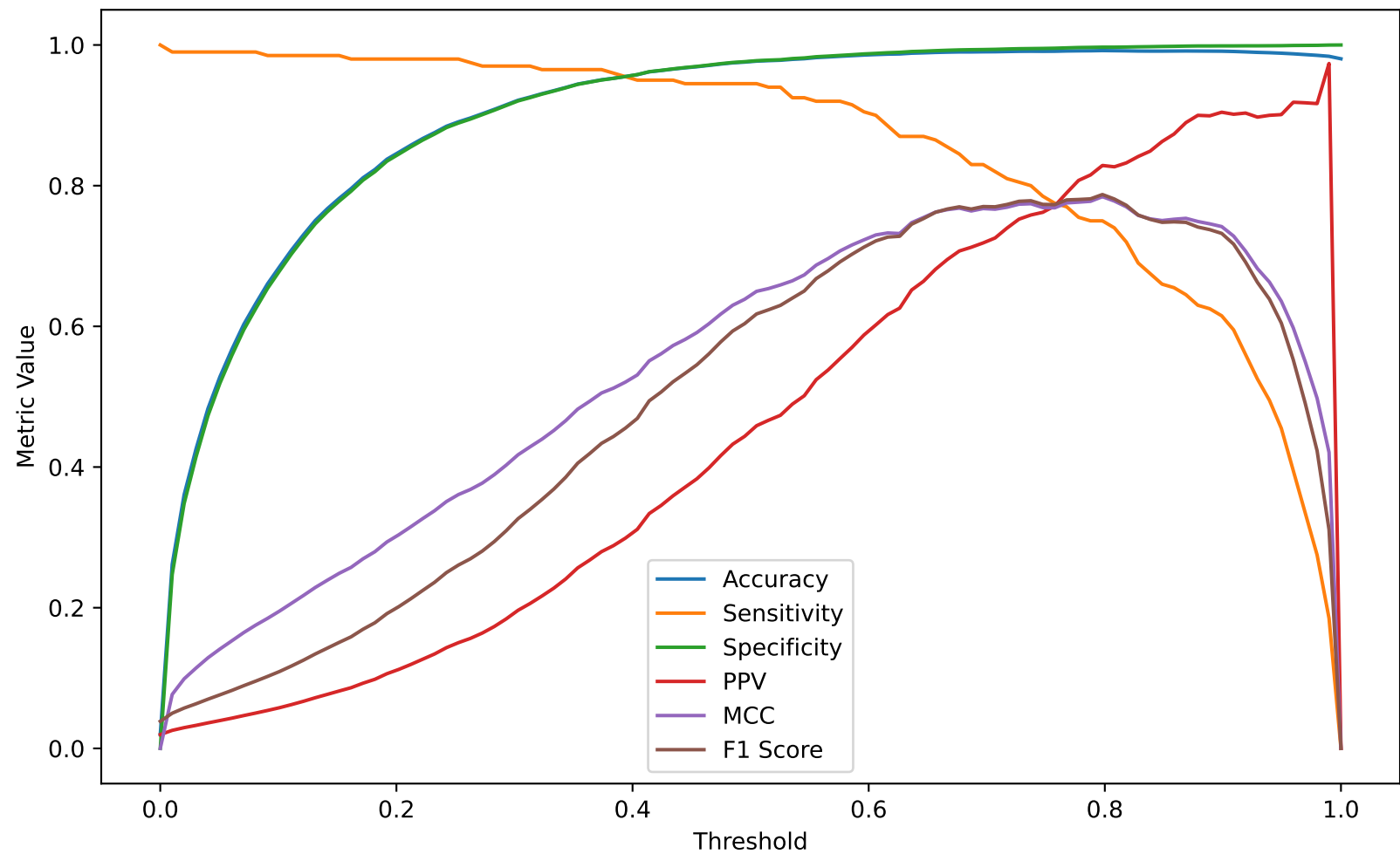
ROC Curve



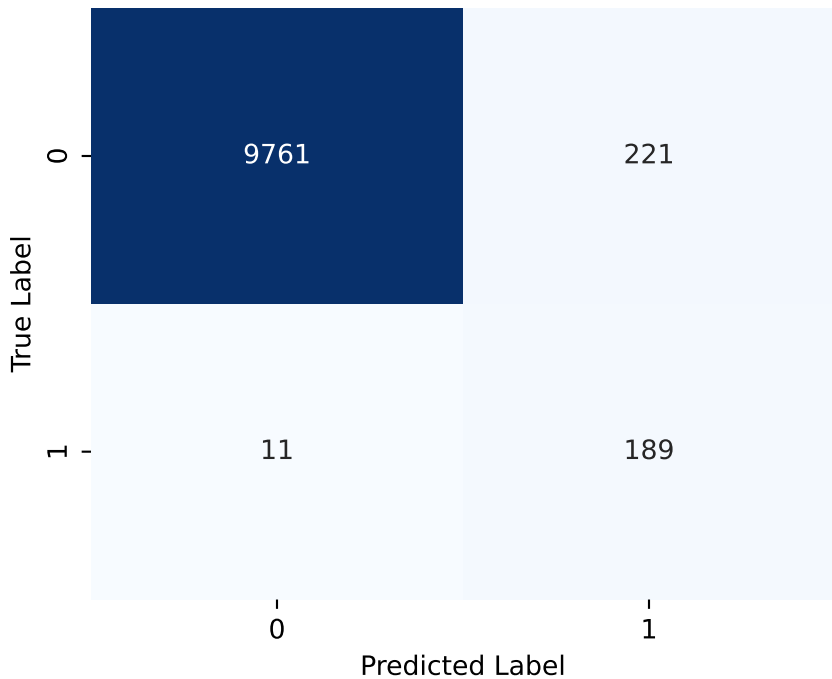
Precision-Recall Curve



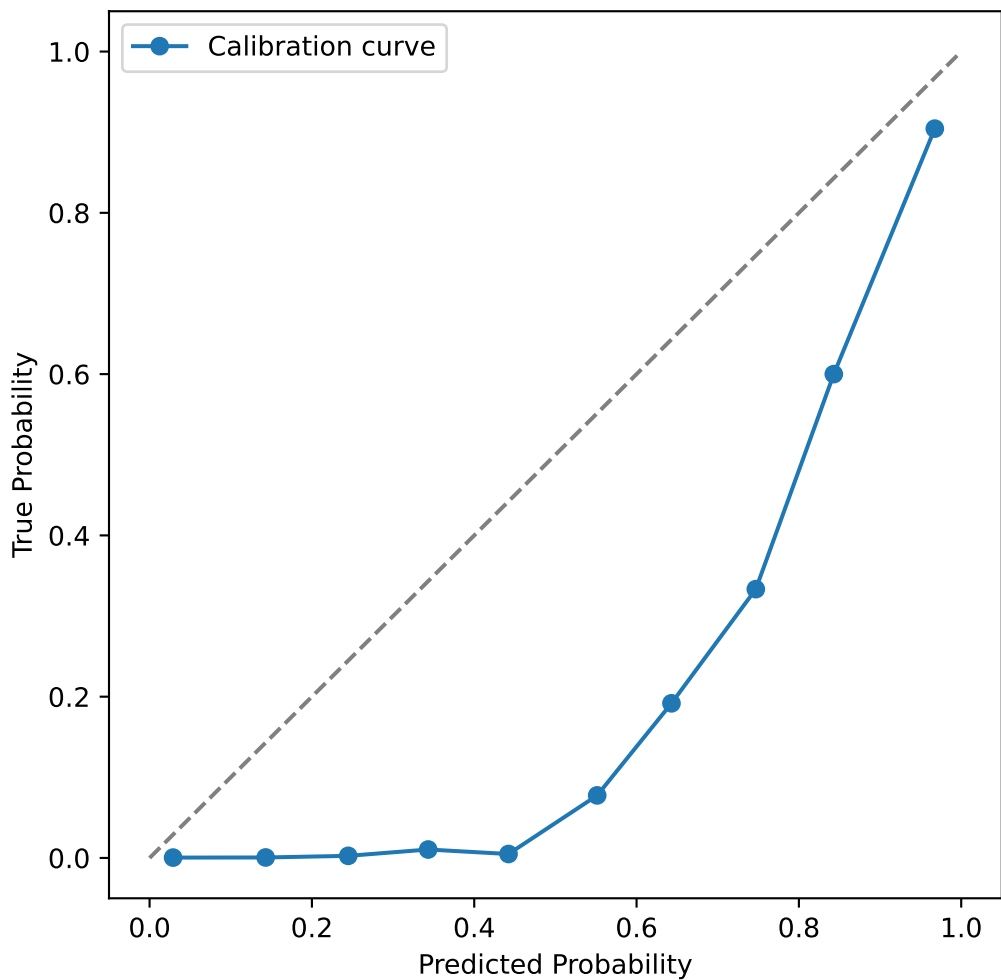
Metrics Across Thresholds



Confusion Matrix (Optimal Threshold)



Calibration Plot



**Performance Metrics at Optimal Threshold**

Metric	Value	95% CI
Accuracy	0.977	[0.974, 0.980]
Sensitivity	0.945	[0.910, 0.975]
Specificity	0.978	[0.975, 0.981]
PPV	0.461	[0.415, 0.509]
MCC	0.651	[0.612, 0.687]
F1 Score	0.620	[0.573, 0.666]
AUC-ROC	0.982	[0.966, 0.994]
AUC-PR	0.823	[0.765, 0.876]

Distribution of Predictions

