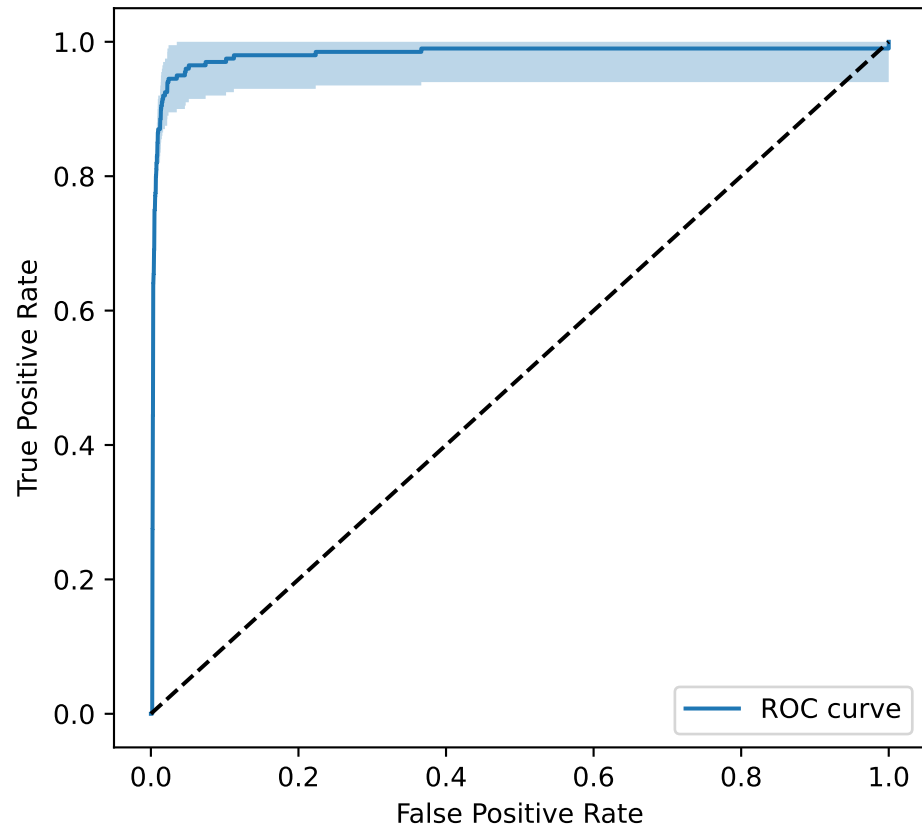
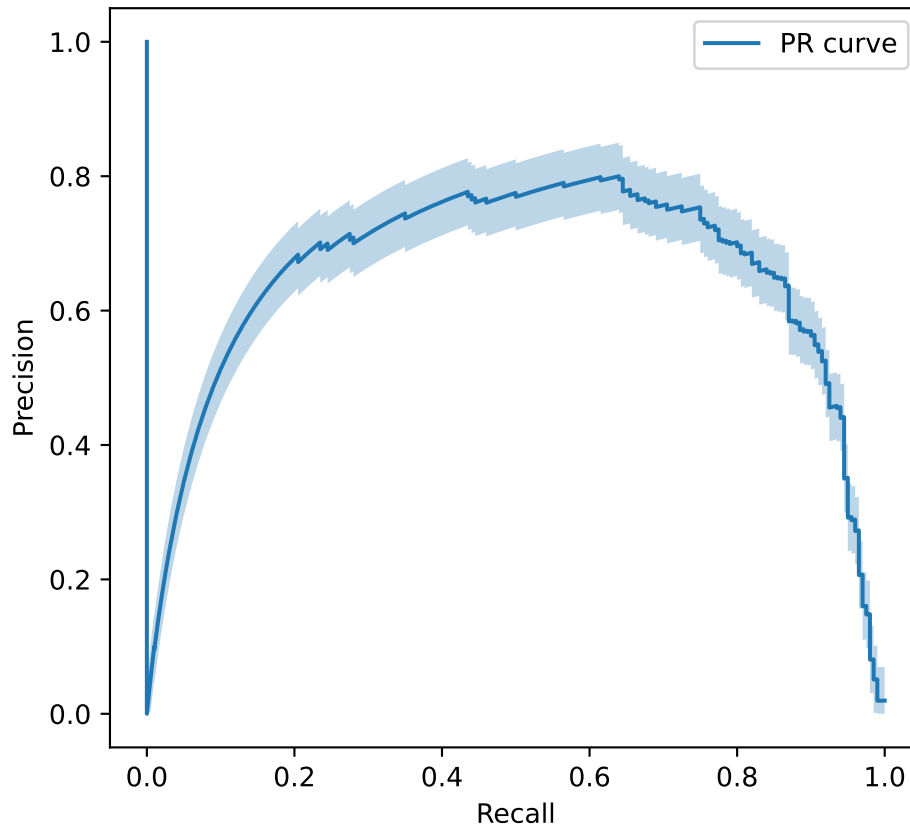


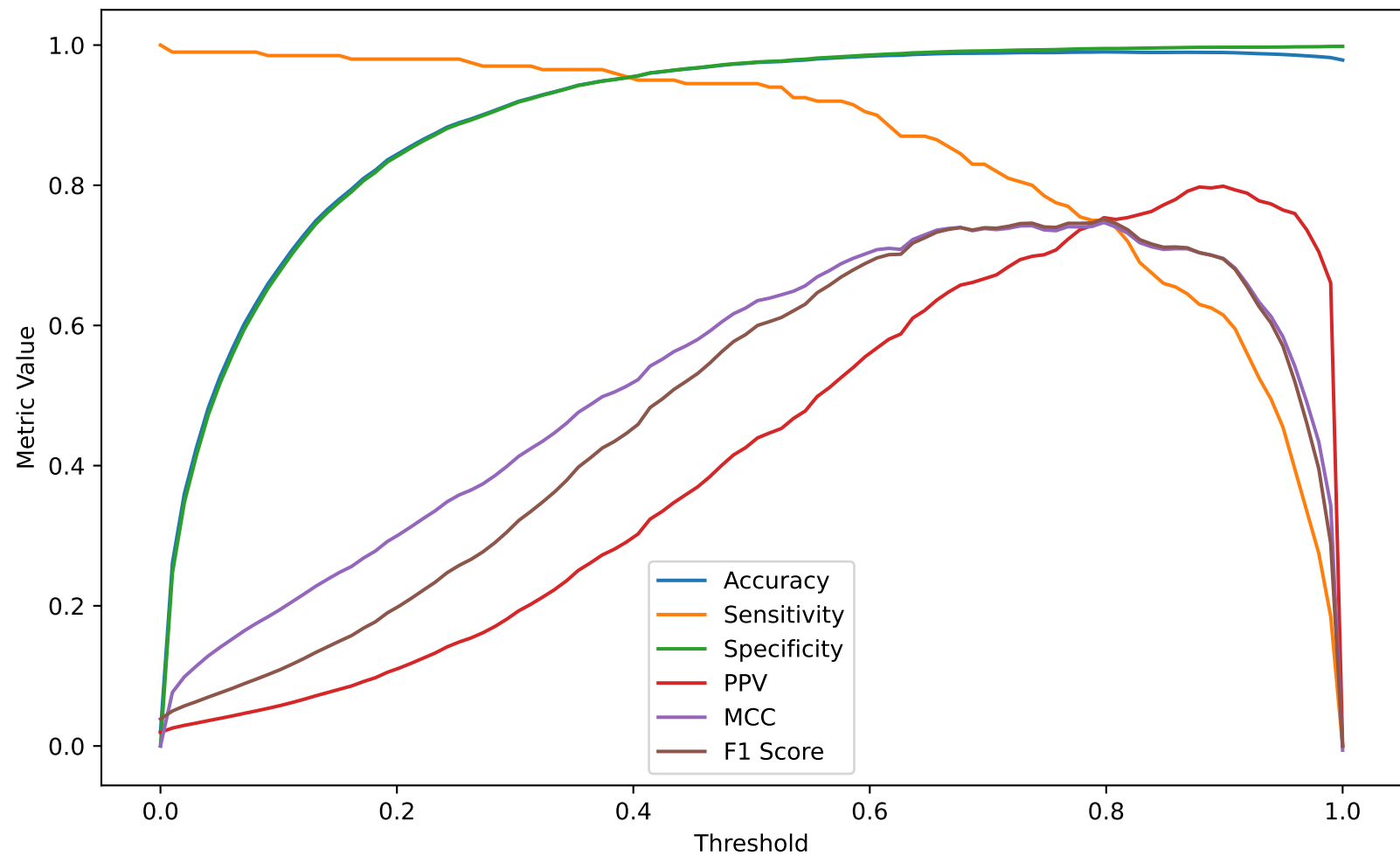
ROC Curve



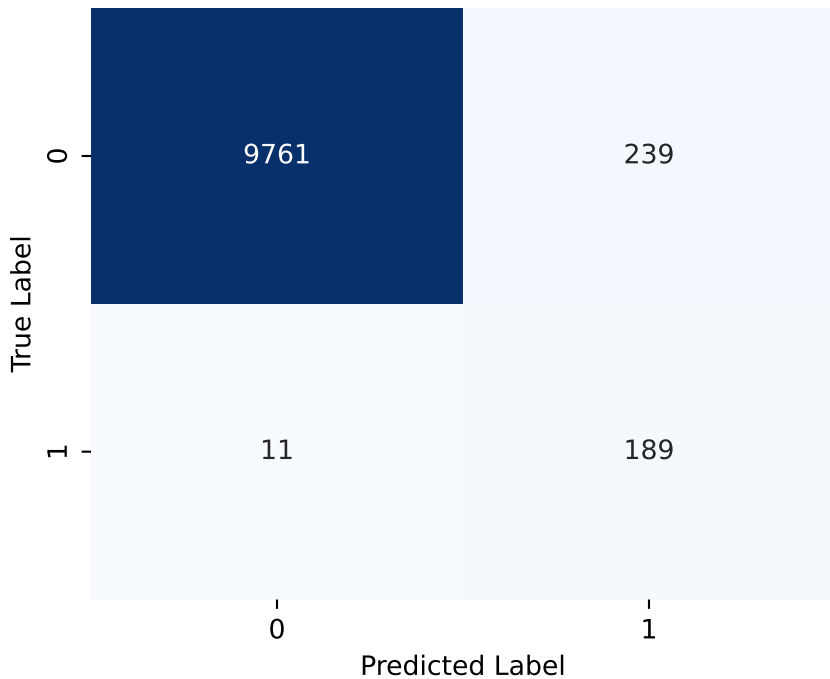
Precision-Recall Curve



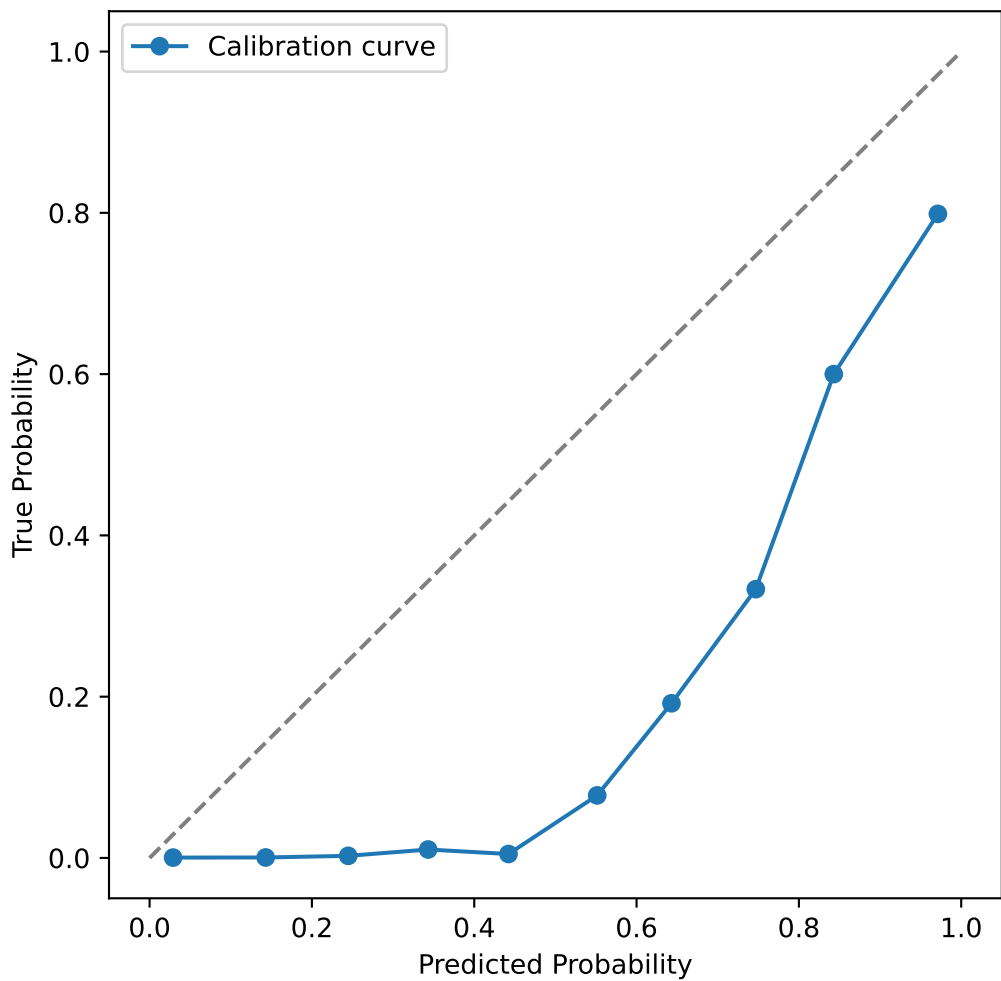
Metrics Across Thresholds



Confusion Matrix (Optimal Threshold)



Calibration Plot



Performance Metrics at Optimal Threshold

Metric	Value	95% CI
Accuracy	0.975	[0.973, 0.979]
Sensitivity	0.945	[0.913, 0.976]
Specificity	0.976	[0.973, 0.979]
PPV	0.442	[0.395, 0.491]
MCC	0.637	[0.598, 0.676]
F1 Score	0.602	[0.554, 0.644]
AUC-ROC	0.981	[0.963, 0.992]
AUC-PR	0.641	[0.574, 0.714]