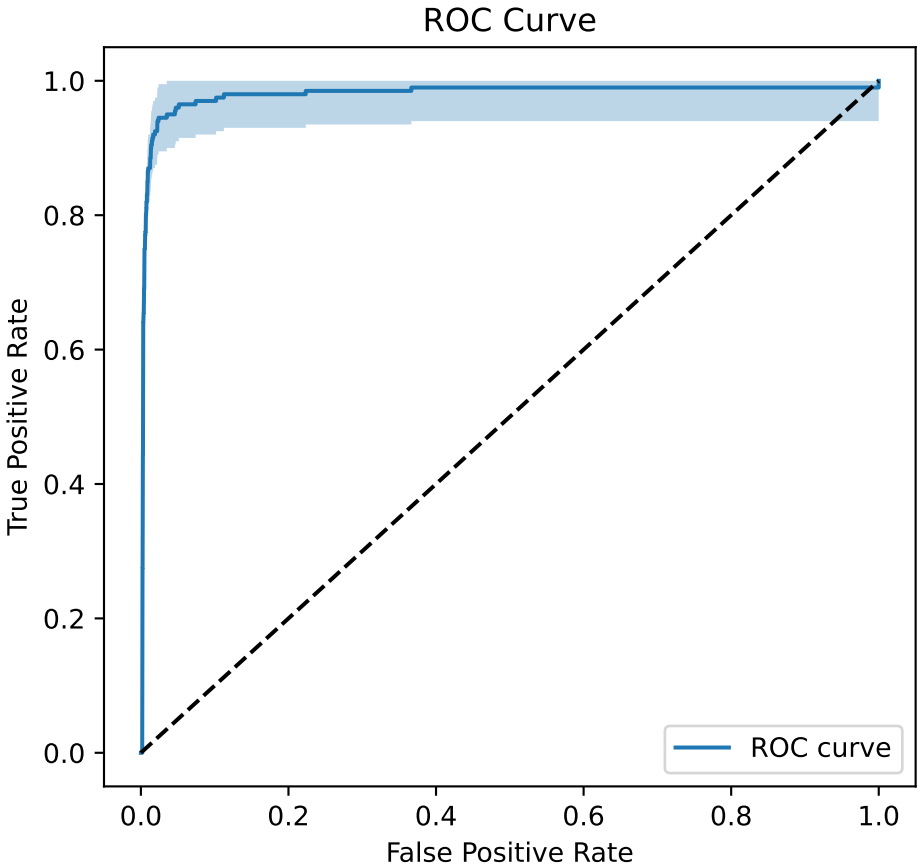
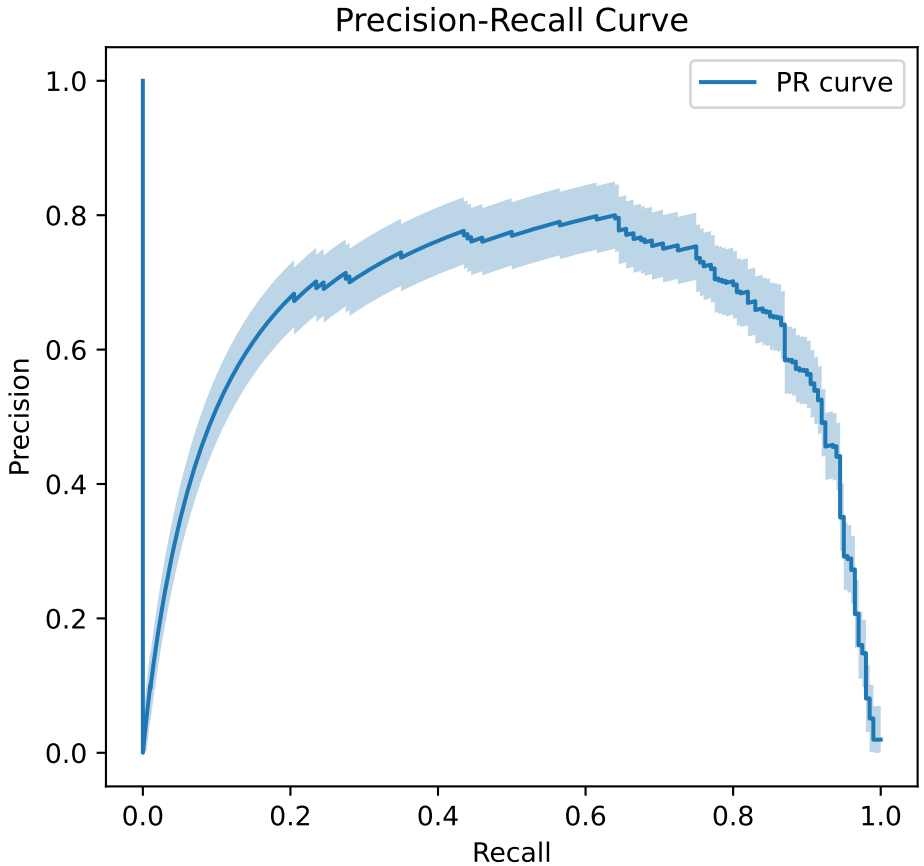
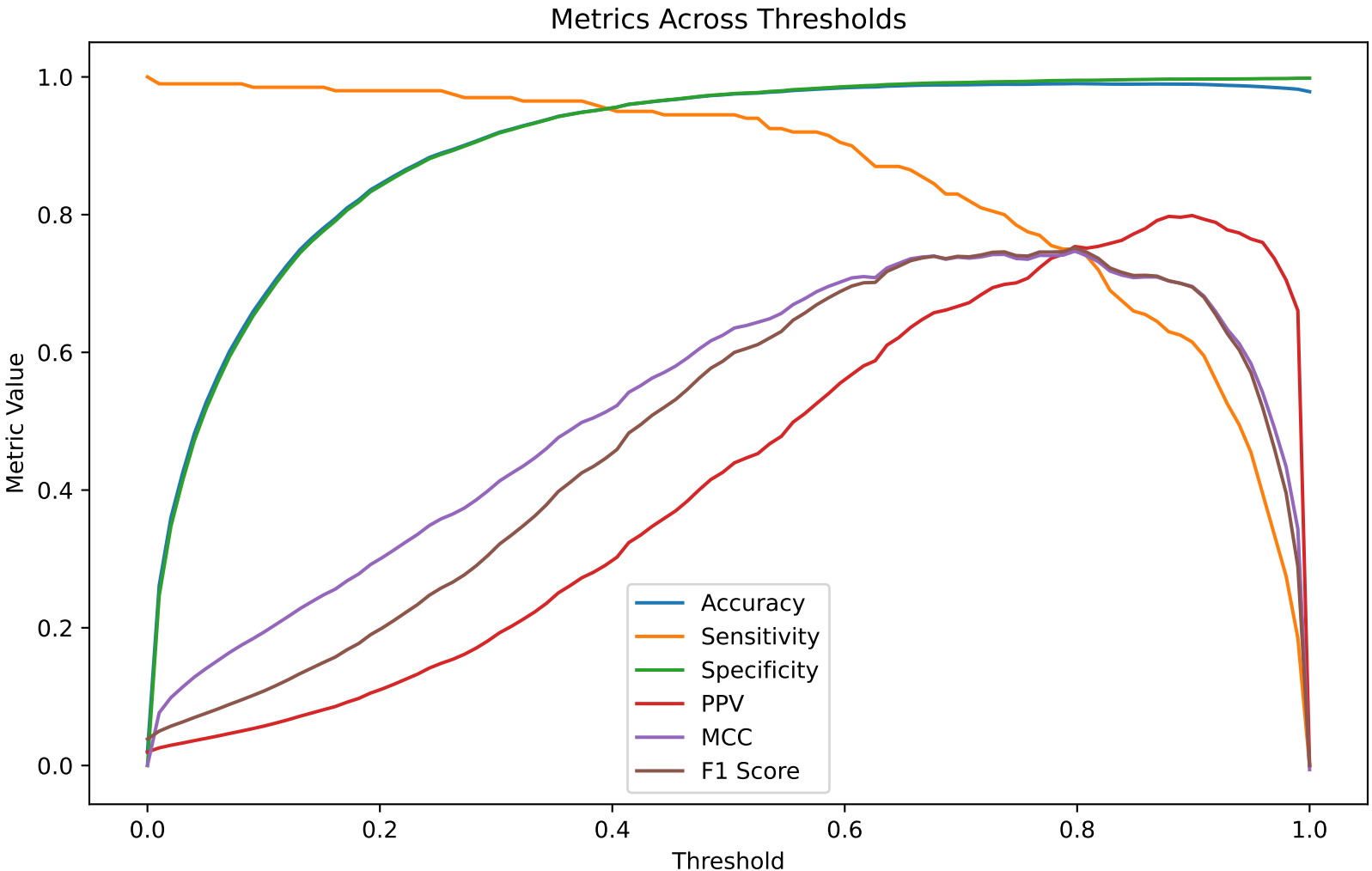
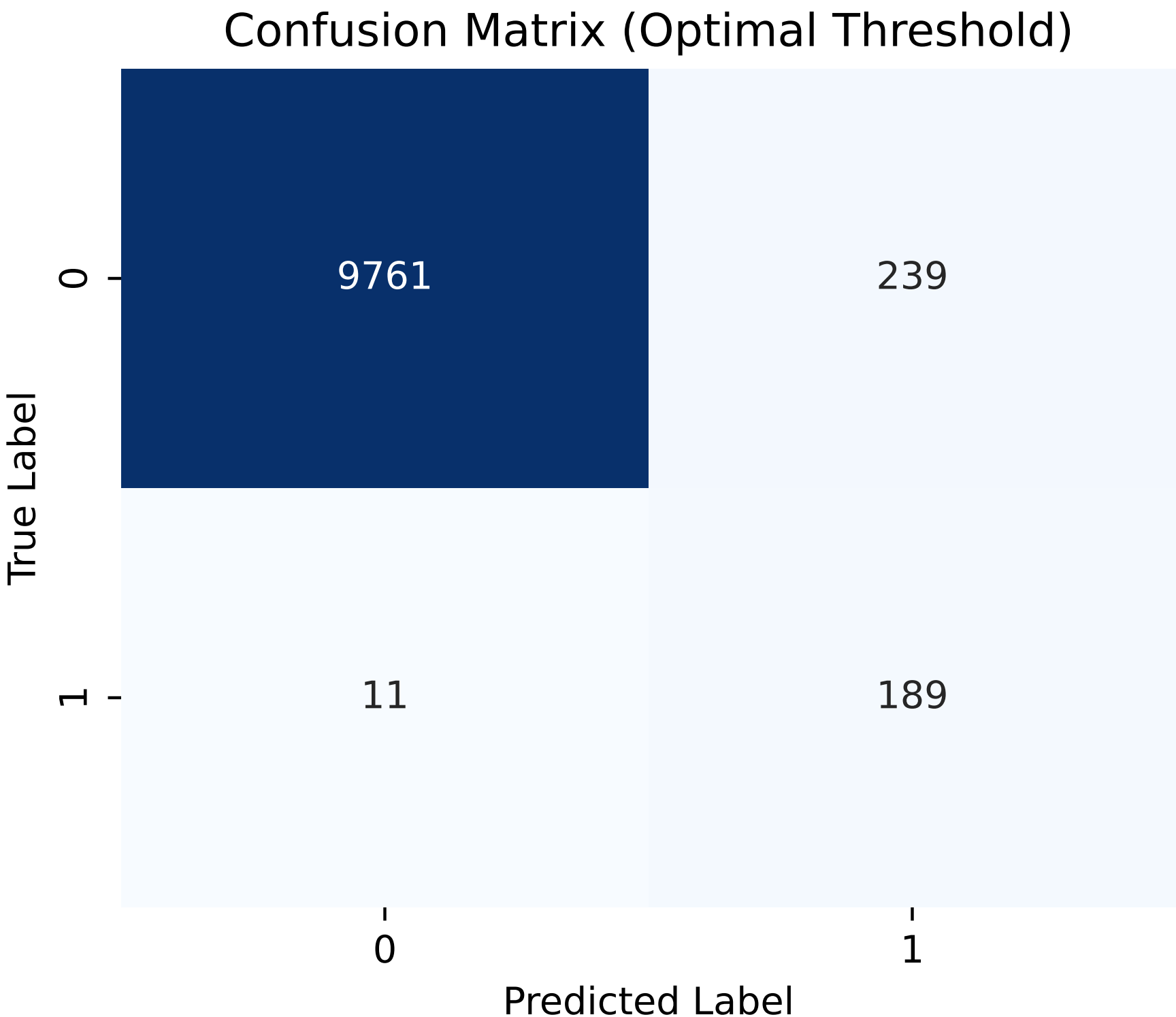
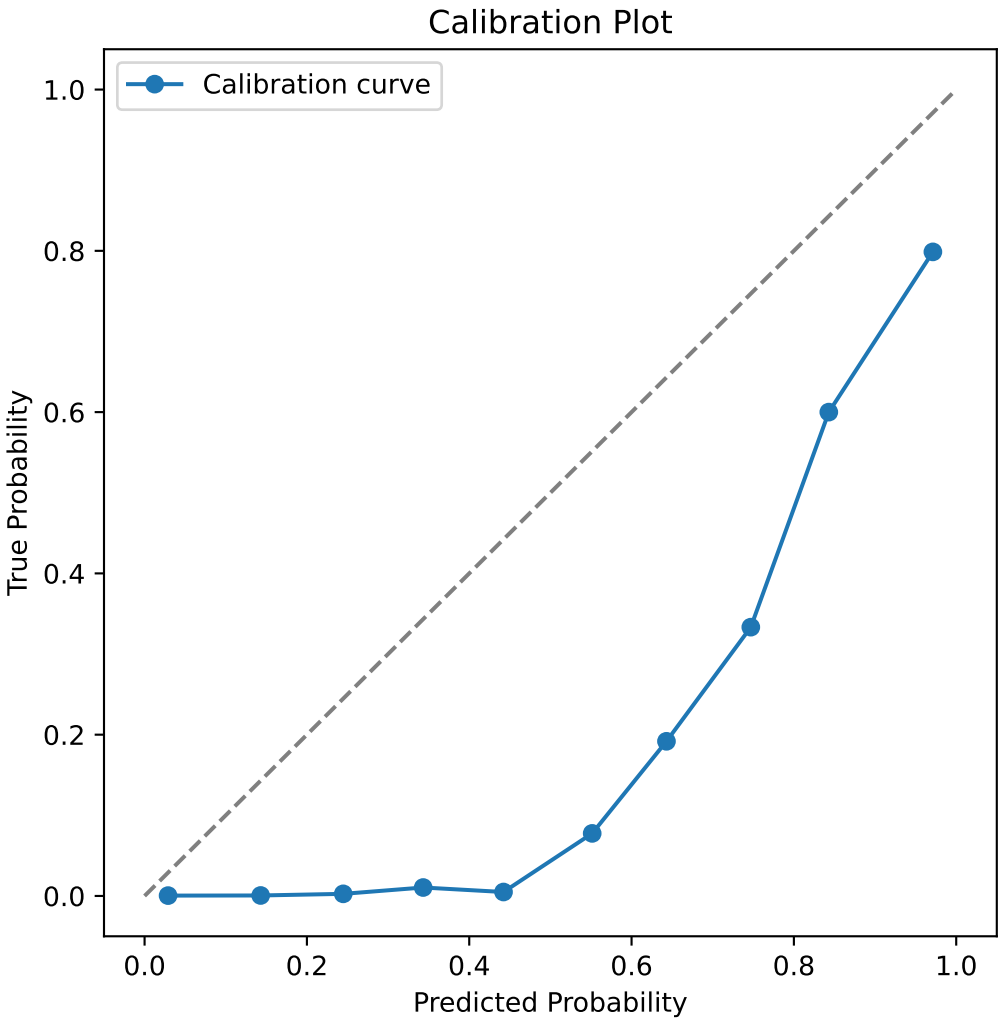

ROC Curve
True Positive Rate
False Positive Rate
ROC curve
0.0
0.2
0.4
0.6
0.8
1.0


Precision-Recall Curve
Precision
Recall
PR curve
0.0
0.2
0.4
0.6
0.8
1.0


Metrics Across Thresholds
Metric Value
Threshold
0.0
0.2
0.4
0.6
0.8
1.0
Accuracy
Sensitivity
Specificity
PPV
MCC
F1 Score


Confusion Matrix (Optimal Threshold)
9761
239
11
189
0
1
True Label
0
1
Predicted Label


Calibration Plot
Calibration curve
True Probability
Predicted Probability
0.0
0.2
0.4
0.6
0.8
1.0

Performance Metrics at Optimal Threshold

Metric	Value	95% CI
Accuracy	0.975	[0.972, 0.978]
Sensitivity	0.945	[0.914, 0.974]
Specificity	0.976	[0.973, 0.979]
PPV	0.442	[0.392, 0.487]
MCC	0.637	[0.598, 0.673]
F1 Score	0.602	[0.560, 0.644]
AUC-ROC	0.981	[0.964, 0.993]
AUC-PR	0.641	[0.574, 0.715]