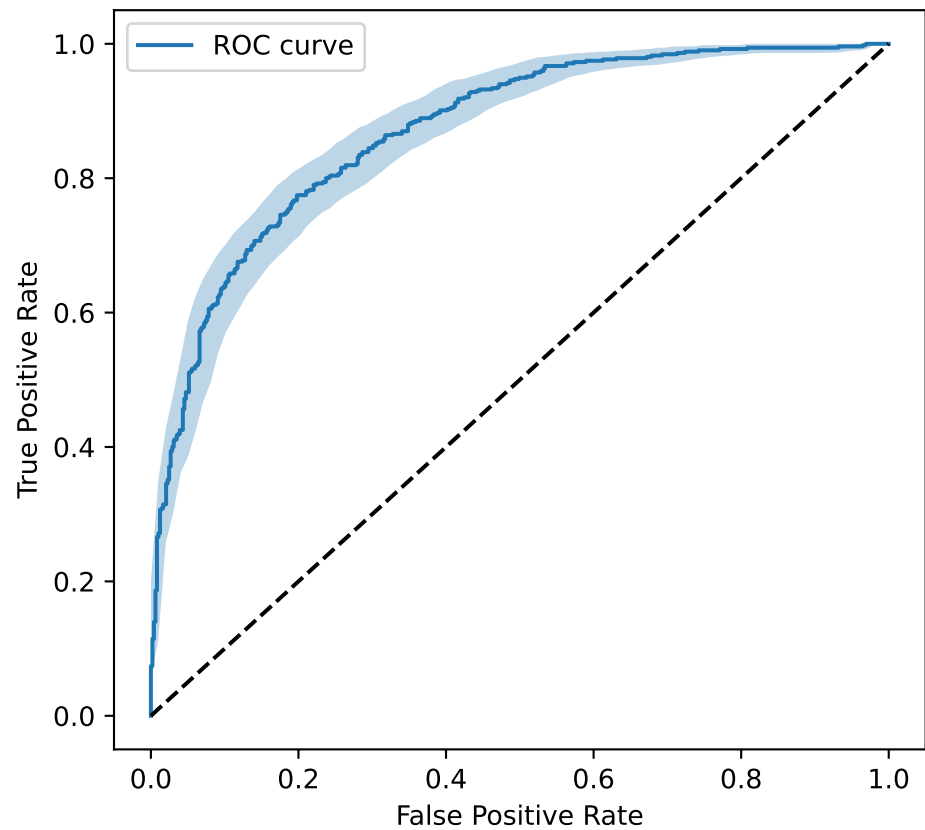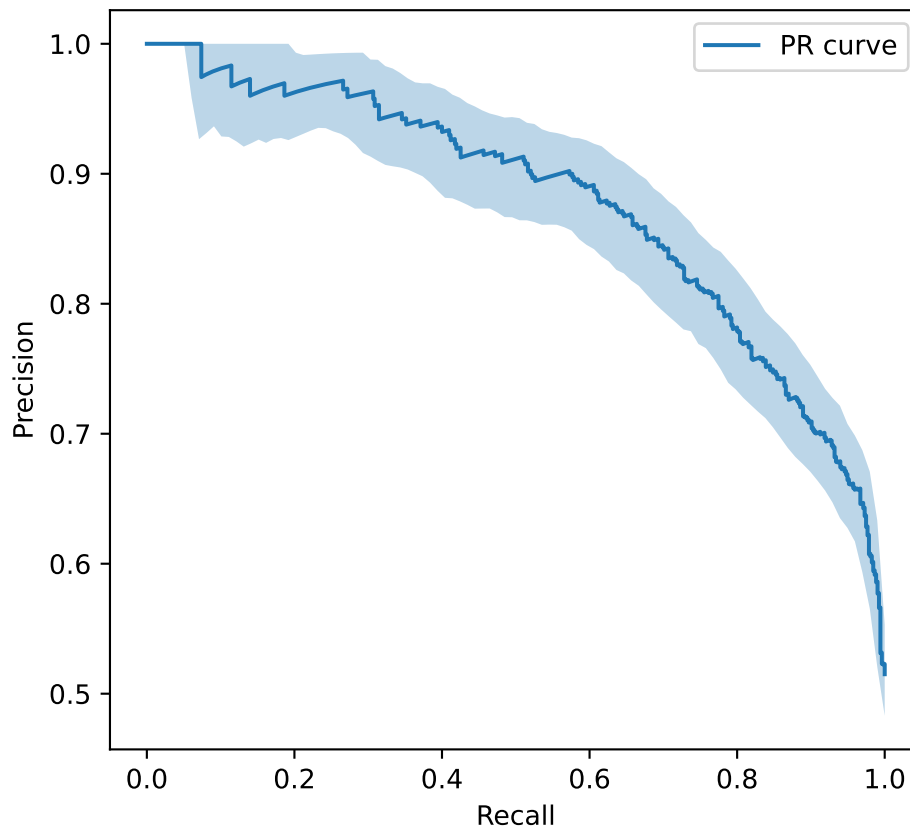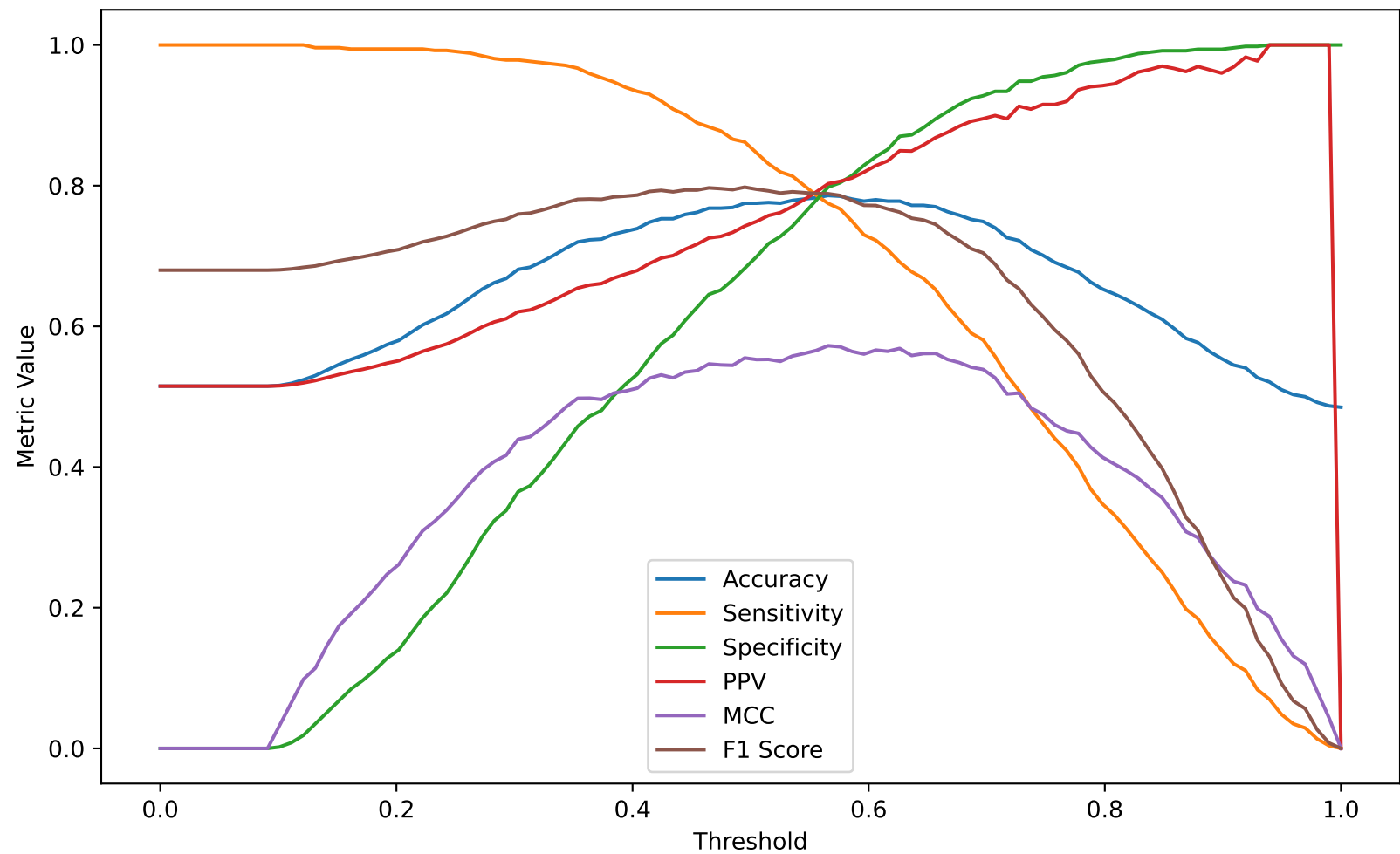ROC Curve
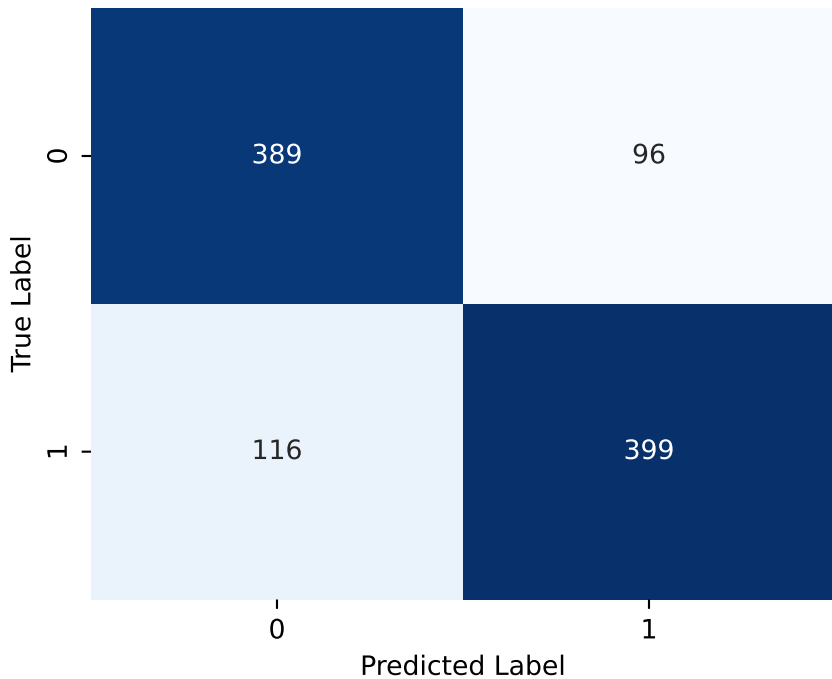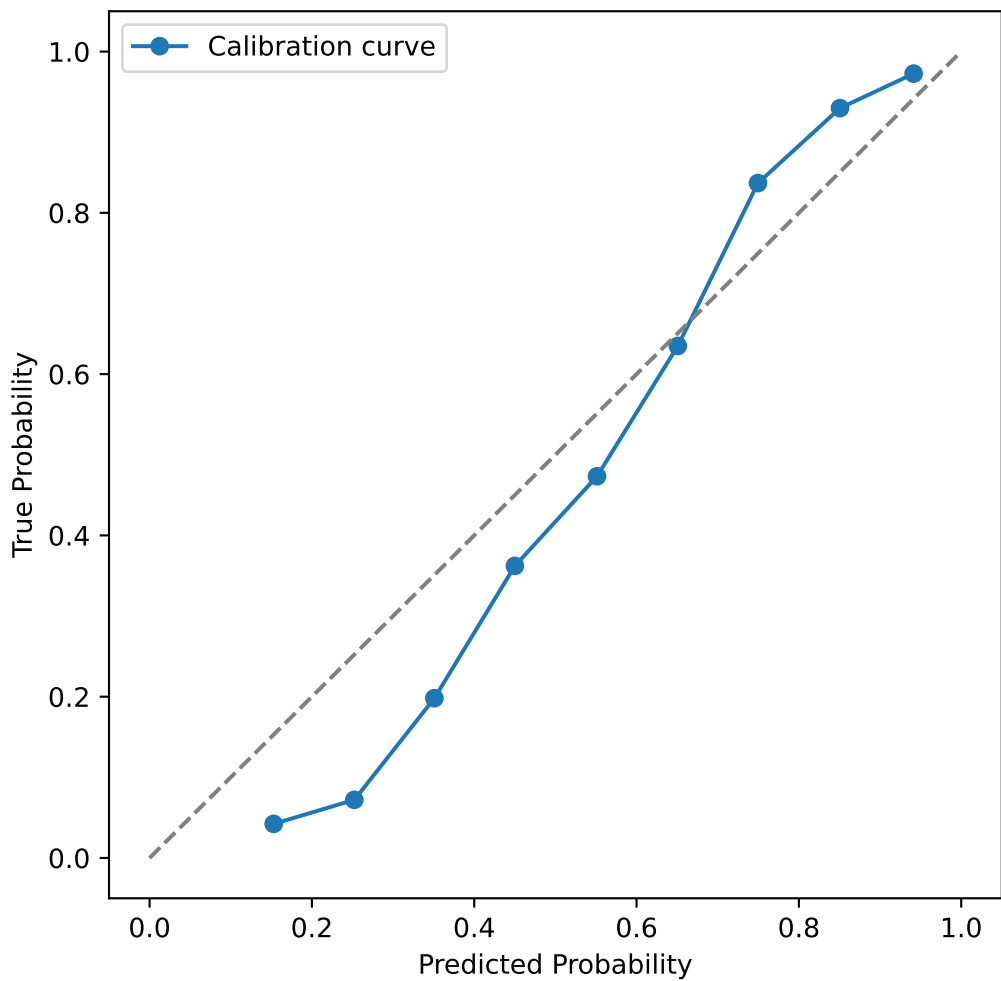
Precision-Recall Curve

Metrics Across Thresholds

Confusion Matrix (Optimal Threshold)

Calibration Plot

Performance Metrics at Optimal Threshold

Metric	Value	95% CI
Accuracy	0.788	[0.762, 0.813]
Sensitivity	0.775	[0.741, 0.811]
Specificity	0.802	[0.767, 0.836]
PPV	0.806	[0.769, 0.841]
MCC	0.577	[0.525, 0.626]
F1 Score	0.790	[0.762, 0.818]
AUC-ROC	0.870	[0.848, 0.891]
AUC-PR	0.877	[0.849, 0.901]

Distribution of Predictions