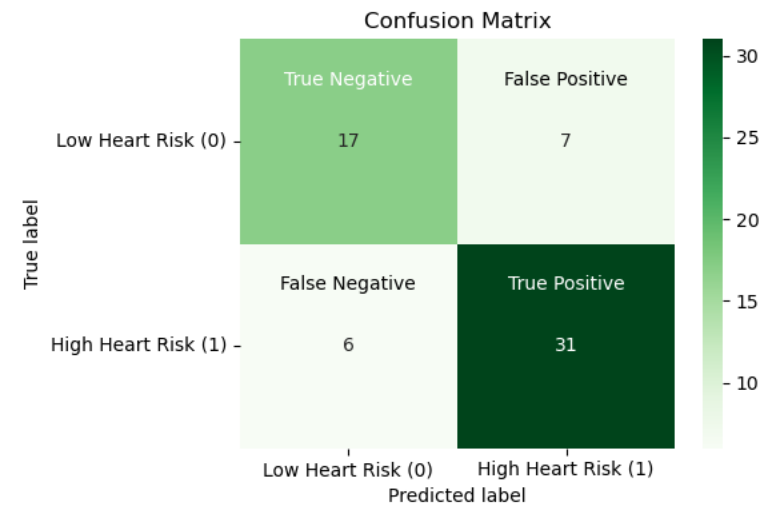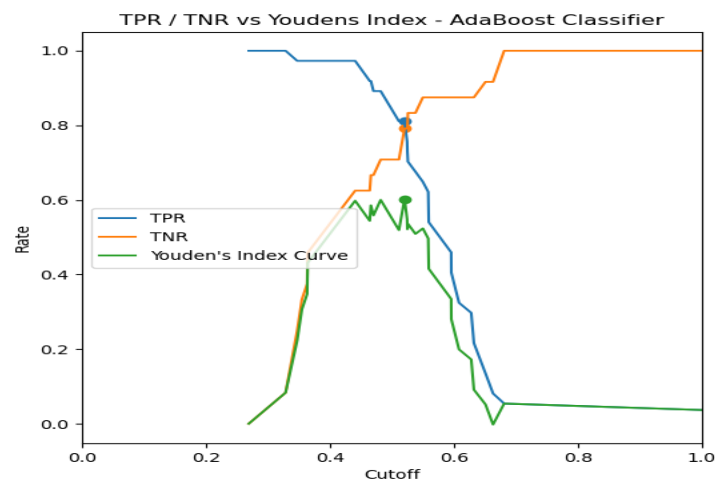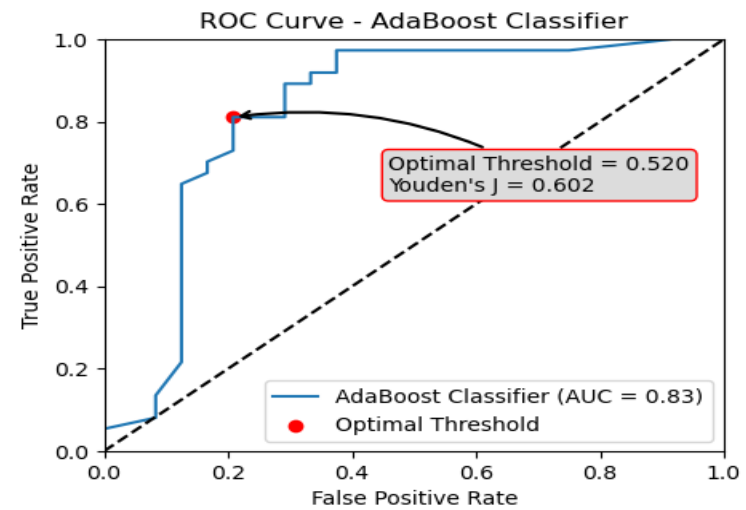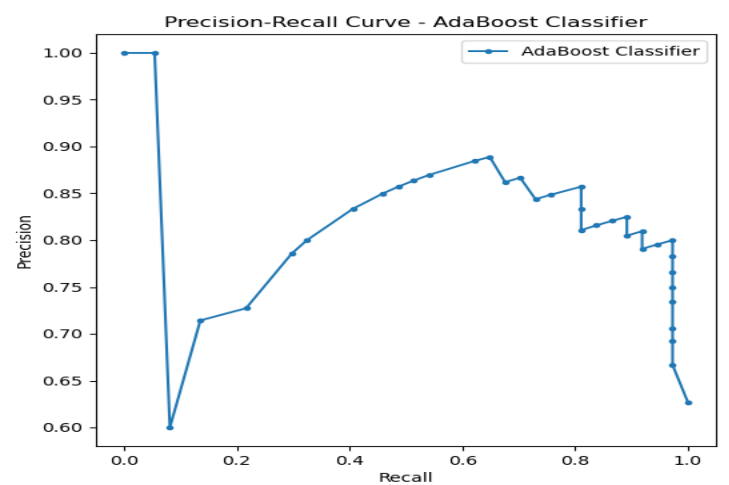# AdaBoost Classifier

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Model Name	Confusion Matrix	Accuracy	Precision	Recall	Specificity	F1 Score	Youden J Stat	Optimal P Threshold
AdaBoost Classifier	[[17 7] [6 31]]	0.787	0.816	0.838	0.708	0.827	0.602	0.52

Precision-Recall Curve - AdaBoost Classifier

ROC Curve - AdaBoost Classifier

Optimal Threshold = 0.520
Youden's J = 0.602

AdaBoost Classifier (AUC = 0.83)
Optimal Threshold

TPR / TNR vs Youdens Index - AdaBoost Classifier

TPR
TNR
Youden's Index Curve

Confusion Matrix

Parameter	Value
algorithm	SAMME
base_estimator	DecisionTreeClassifier(class_weight={0: 1.1956521739130435, 1: 1}, max_depth=1)
learning_rate	0.5
n_estimators	50
random_state	7