Model Evaluation:

Classification Model	Recall Score
Logistic Regression	0.80
LightGBM Classifier	0.81
Support Vector Machine	0.83
Random Forest	0.85

Model Selection:

RandomForestClassifier

RandomForestClassifier(class_weight='balanced', max_depth=3, max_leaf_nodes=3, n_estimators=25, random_state=0)

Random Forest Recall score: 0.85
Random Forest F1_score: 0.36

2-class Random Forest Precision-Recall curve

Random Forest (AP = 0.21)
Chance level (AP = 0.00)

2-class Random Forest Confusion Matrix
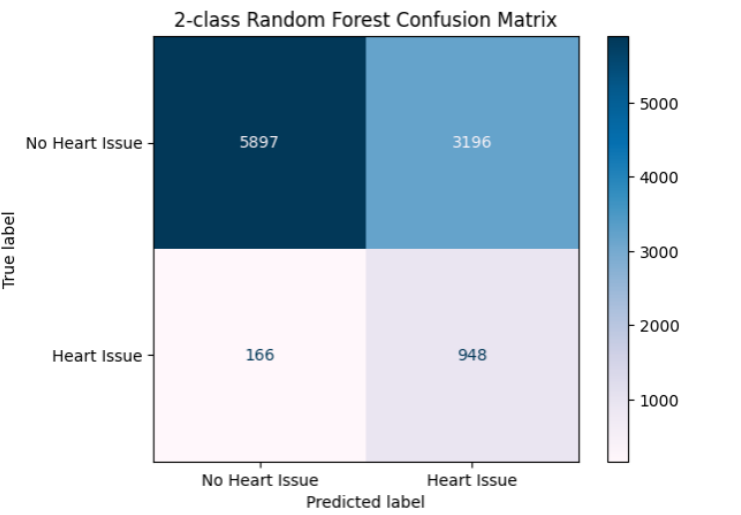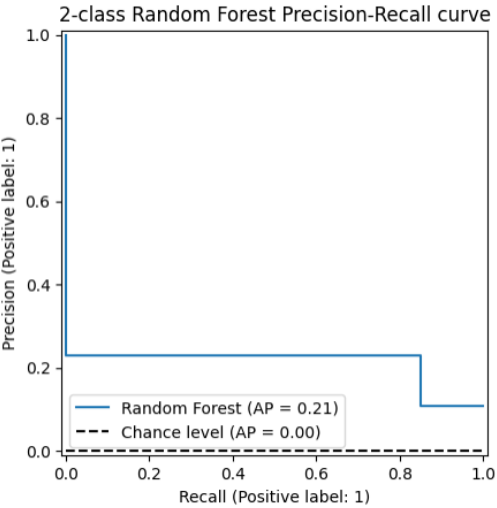
	precision	recall	f1-score	support
0.0	0.97	0.65	0.78	9093
1.0	0.23	0.85	0.36	1114
accuracy			0.67	10207
macro avg	0.60	0.75	0.57	10207
weighted avg	0.89	0.67	0.73	10207