Model Evaluation Results

Logistic Regression:

  Training Accuracy: 77.95% - Test Accuracy: 76.87%

  Training Precision: 86.00% - Test Precision: 85.75%

  Training Recall: 73.09% - Test Recall: 71.51%

KNN:

  Training Accuracy: 77.37% - Test Accuracy: 75.91%

  Training Precision: 95.74% - Test Precision: 95.50%

  Training Recall: 62.98% - Test Recall: 60.82%

GaussianNB:

  Training Accuracy: 81.98% - Test Accuracy: 81.35%

  Training Precision: 89.69% - Test Precision: 89.99%

  Training Recall: 77.16% - Test Recall: 75.88%

Decision Tree:

  Training Accuracy: 83.42% - Test Accuracy: 82.06%

  Training Precision: 93.23% - Test Precision: 93.14%

  Training Recall: 76.37% - Test Recall: 74.14%

Random Forest:

  Training Accuracy: 81.69% - Test Accuracy: 80.24%

  Training Precision: 95.94% - Test Precision: 95.68%

  Training Recall: 70.78% - Test Recall: 68.60%

XGBoost:

  Training Accuracy: 56.83% - Test Accuracy: 57.29%

  Training Precision: 56.83% - Test Precision: 57.29%

  Training Recall: 100.00% - Test Recall: 100.00%