Balanced Class Distribution

Transaction Amounts by Class

Feature Correlation Heatmap

LOGISTIC REGRESSION MODEL

Logistic Regression - Confusion Matrix


```
Logistic Regression - Classification Report:
              precision    recall  f1-score   support

           0       0.96      0.98      0.97        99
           1       0.98      0.96      0.97        98

    accuracy                           0.97       197
   macro avg       0.97      0.97      0.97       197
weighted avg       0.97      0.97      0.97       197
```
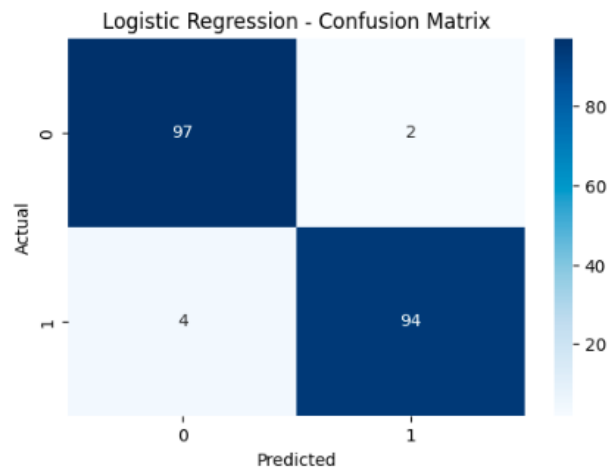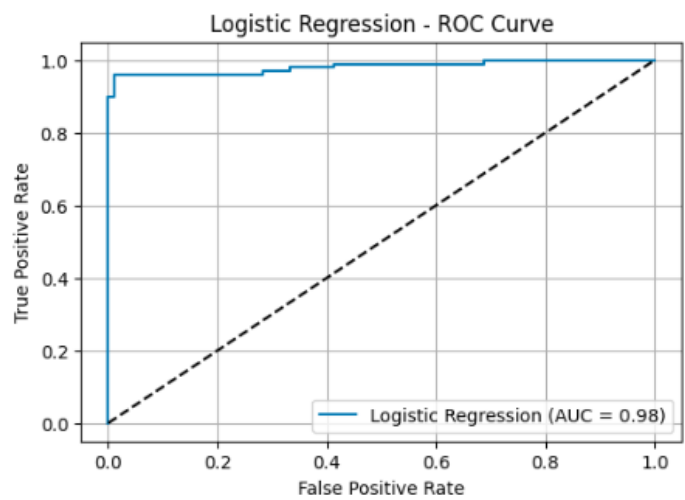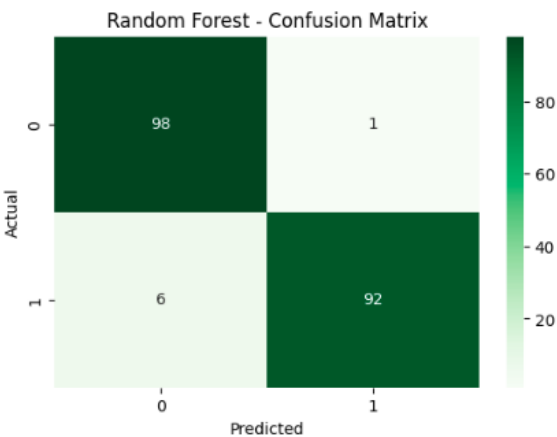
Logistic Regression - ROC Curve

RANDOM FOREST MODEL

```
Random Forest - Training Accuracy: 1.0
Random Forest - Test Accuracy: 0.9644670050761421
```


Random Forest - Confusion Matrix

```
Random Forest - Classification Report:
              precision    recall  f1-score   support

           0       0.94      0.99      0.97        99
           1       0.99      0.94      0.96        98

    accuracy                           0.96       197
   macro avg       0.97      0.96      0.96       197
weighted avg       0.97      0.96      0.96       197
```

MODEL COMPARISION

Model Comparison - ROC Curves