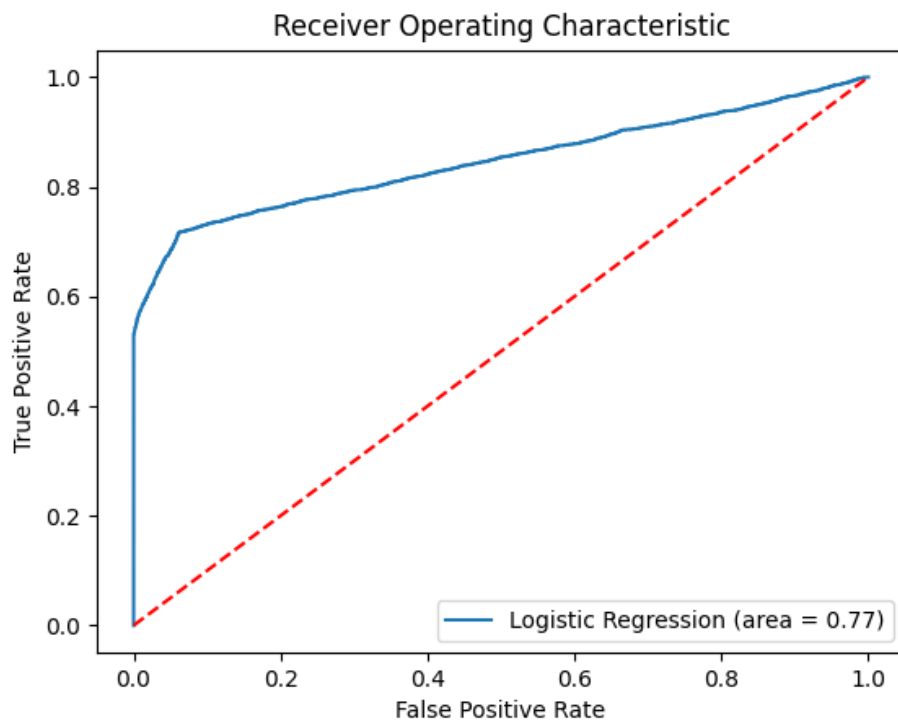
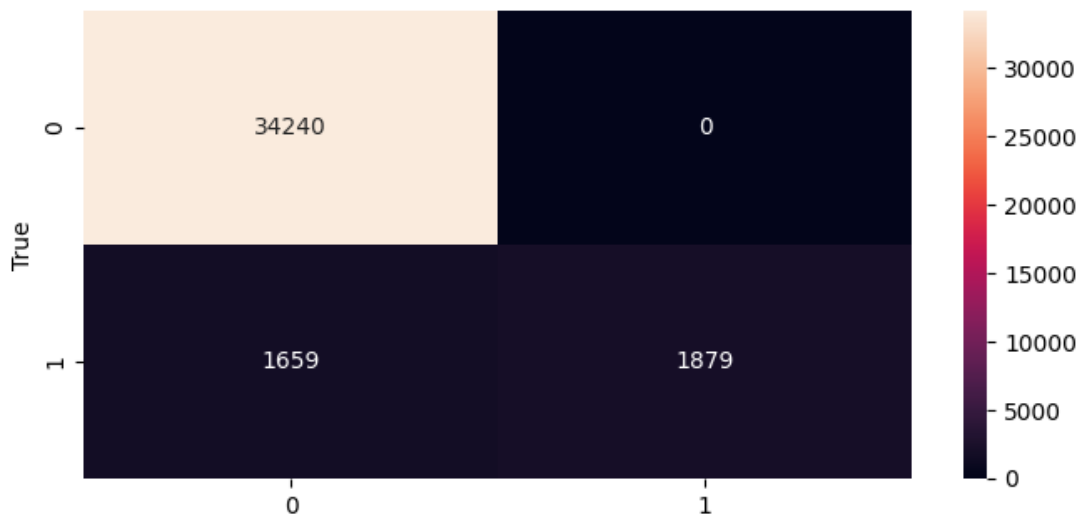


# E-commerce Fraud Detection

## Ai Models metrics

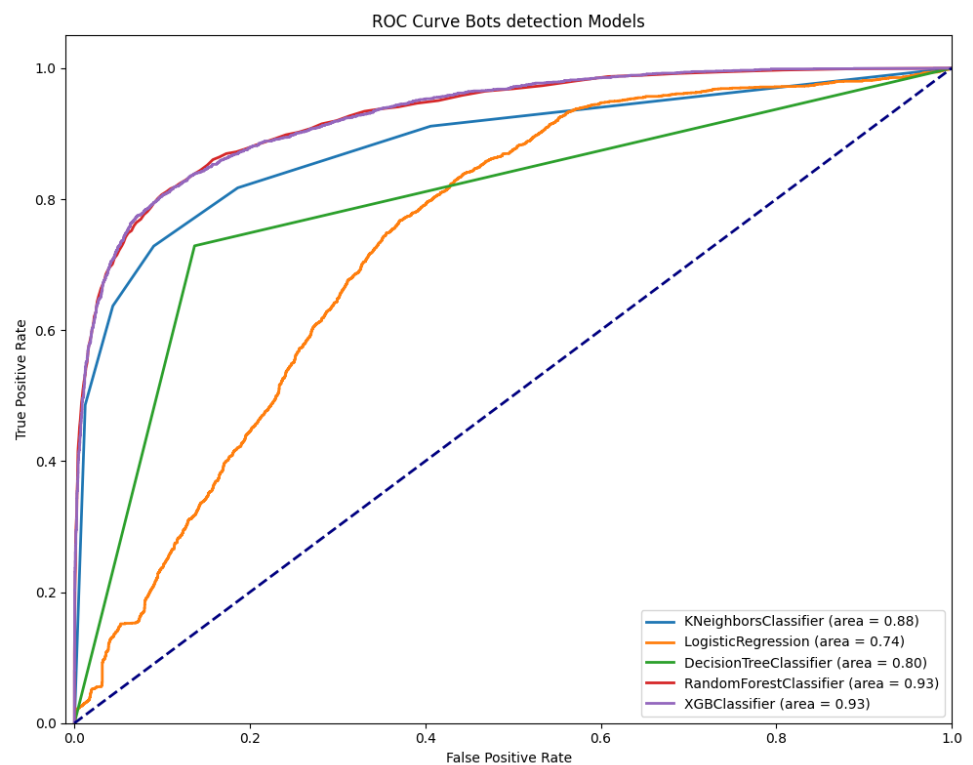
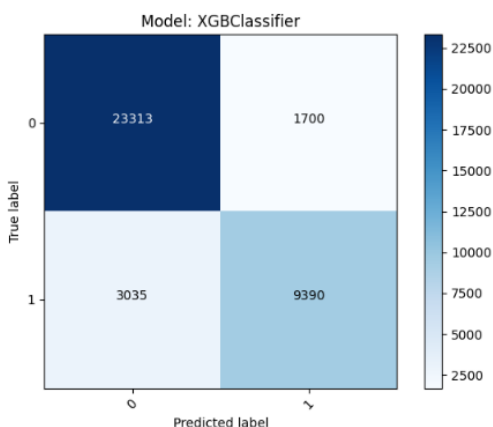
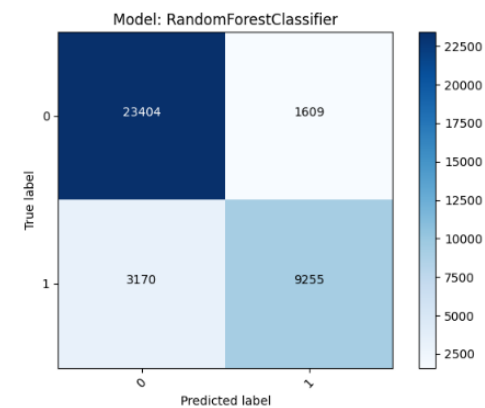
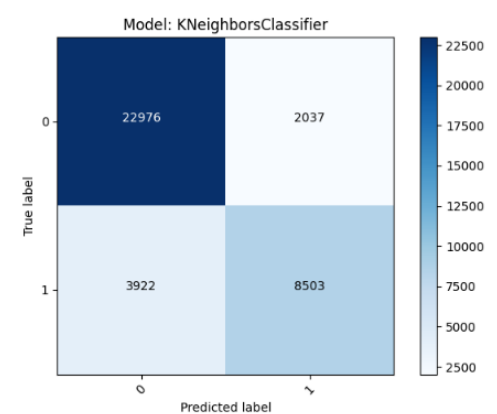
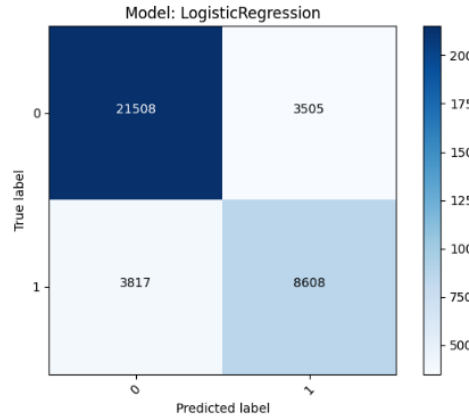
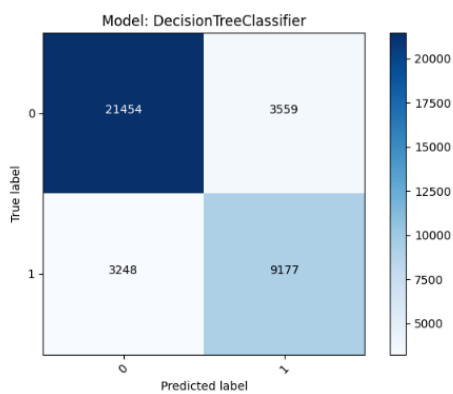
### 1.Fraud Ecommerce

Model	Precision Weighted avg	Recall Weighted avg	F1-score Weighted avg	support	Train accuracy	Test accuracy
Logistic Regression	0.958	0.956	0.949	0- 34240 1- 3538	0.9568	0.9561



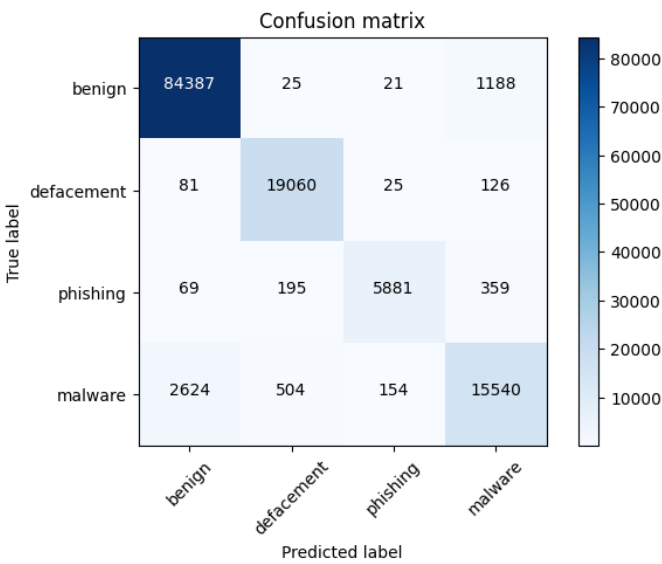
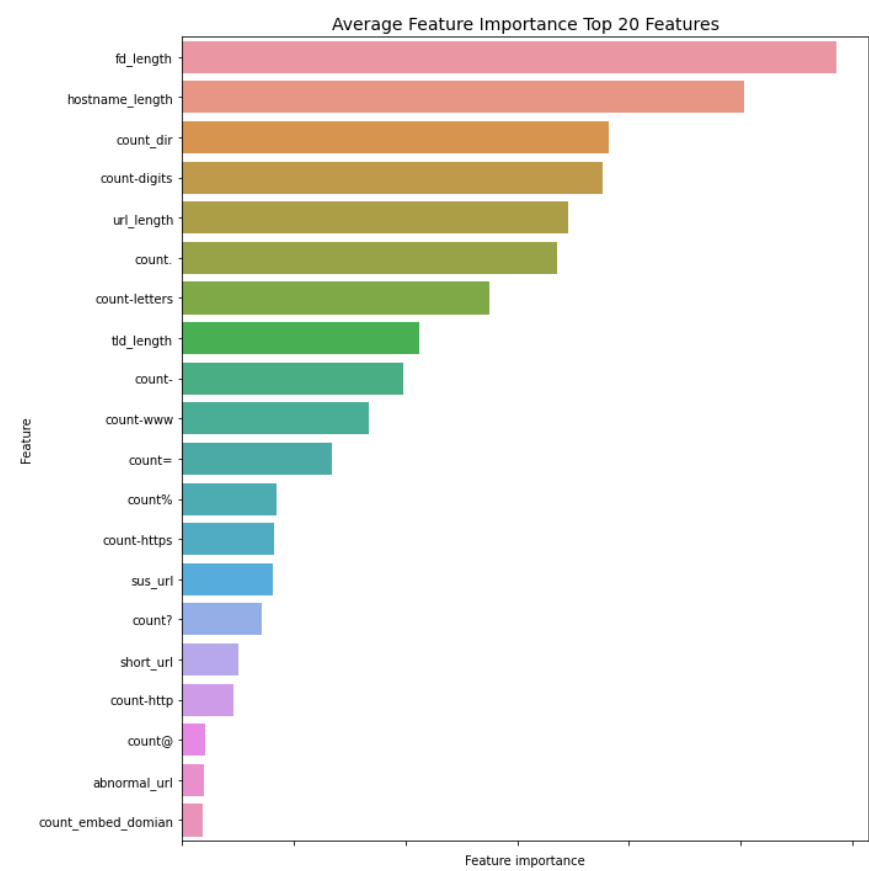
## 2.Bots Detection

Model	Precision on mean	Recall on mean	F1-score on mean	Accuracy on mean
Logistic Regression	0.80	0.80	0.80	0.80442
KNeighborsClassifier	0.84	0.84	0.84	0.84
DecisionTree Classifier	0.8202	0.8201	0.816	0.82
RandomForestClassifier	0.87	0.87	0.87	0.87
XGBClassifier	0.87	0.87	0.87	0.87



### 3.Malicious URL Detection

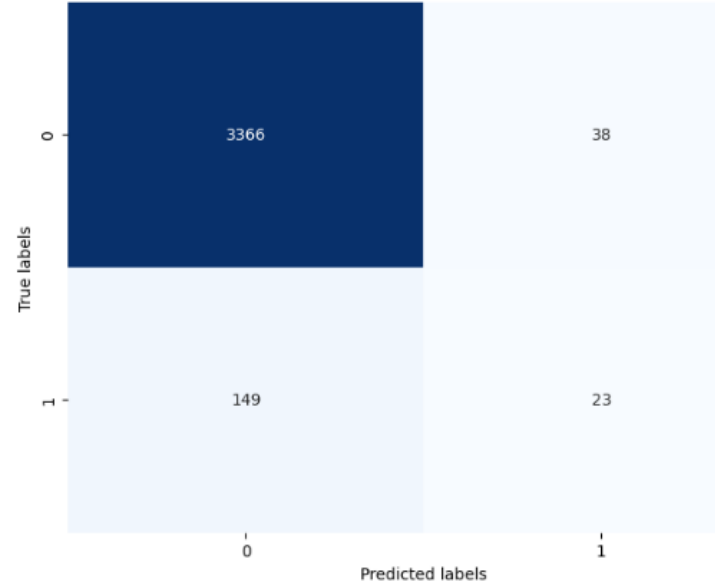
Model	Precision on mean	Recall on mean	F1-score on mean	Accuracy on mean
LGBMClassifier	0.96	0.96	0.96	0.959
XGBClassifier	0.96	0.96	0.96	0.962
GradientBoostingClassifier	0.94	0.94	0.93	0.936



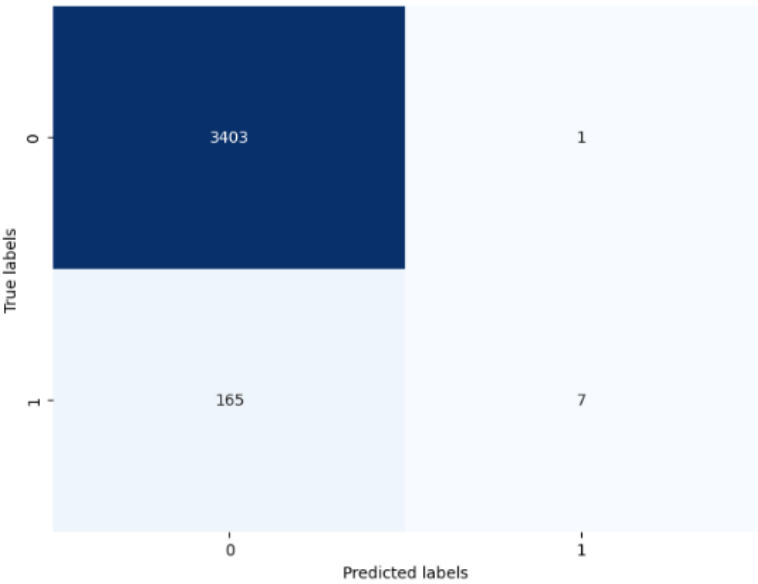
# 4.Content moderation

Model	Precision on mean	Recall on mean	F1-score on mean	Accuracy on mean
Logistic Regression	0.93	0.95	0.94	0.95
SVC	0.91	0.95	0.93	0.95
RandomForestClassifier	0.95	0.95	0.93	0.95
XGBClassifier	0.95	0.96	0.94	0.96

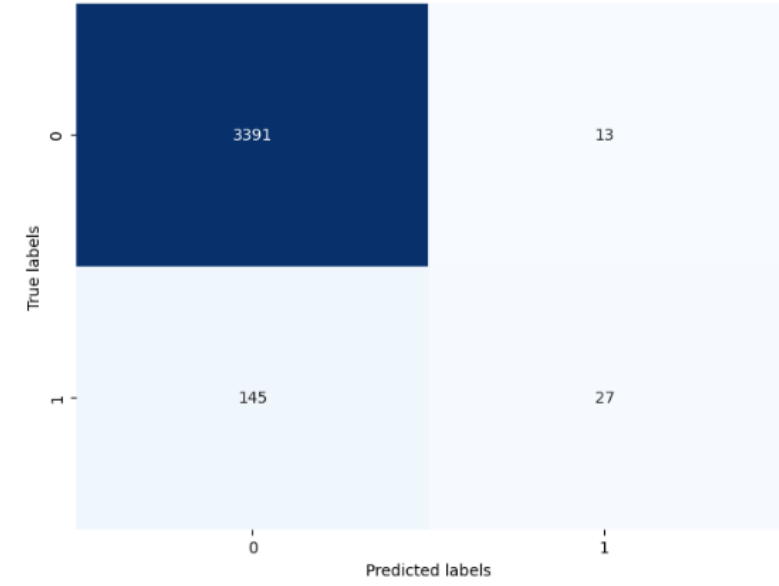
LogisticRegression



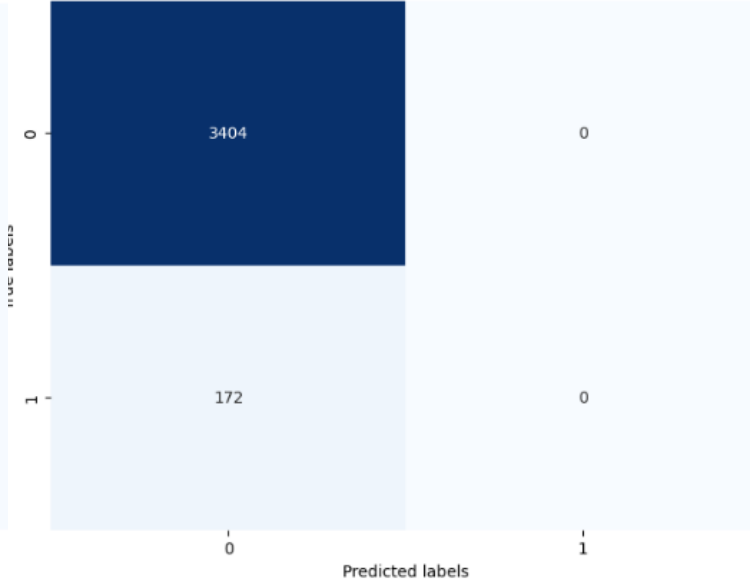
RandomForestClassifier

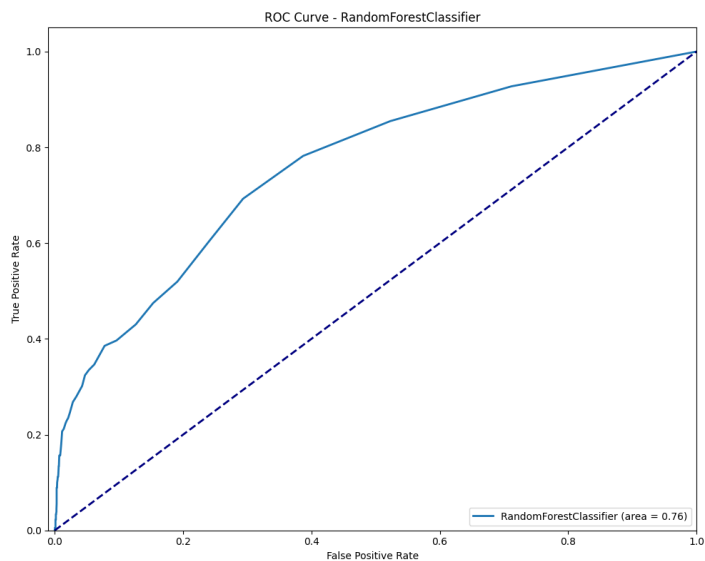
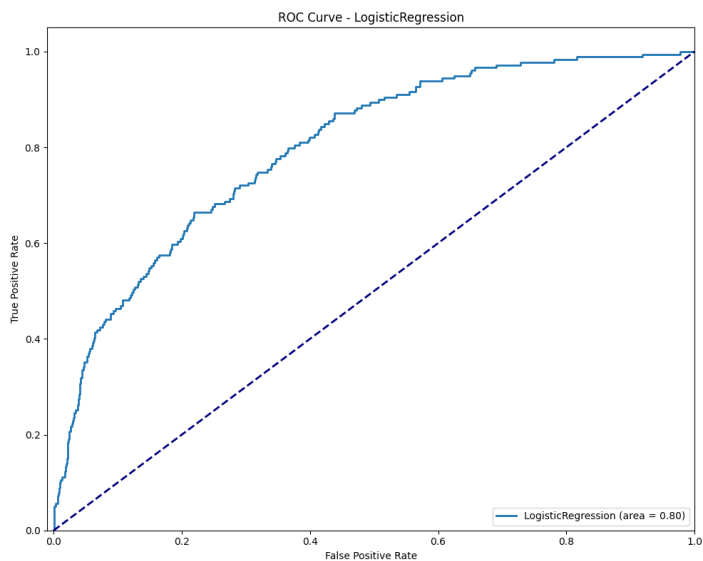
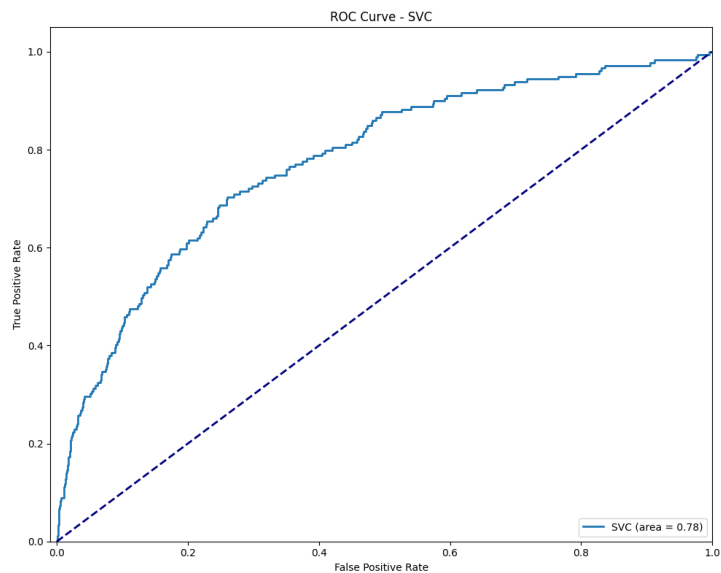
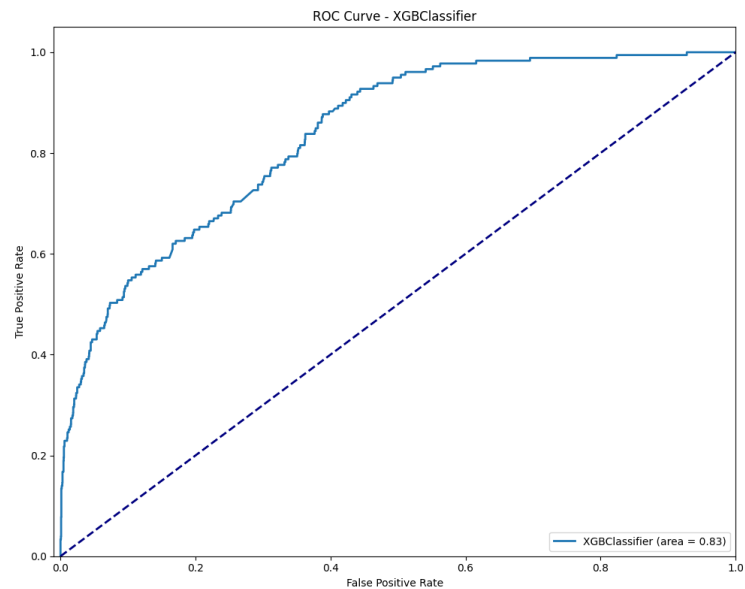


XGBClassifier

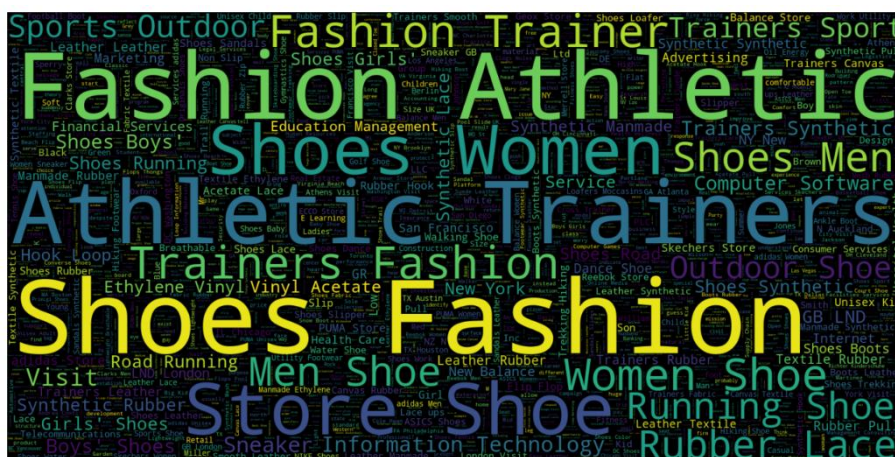


SVC





NOT FRAUD



Word cloud

FRAUD

