

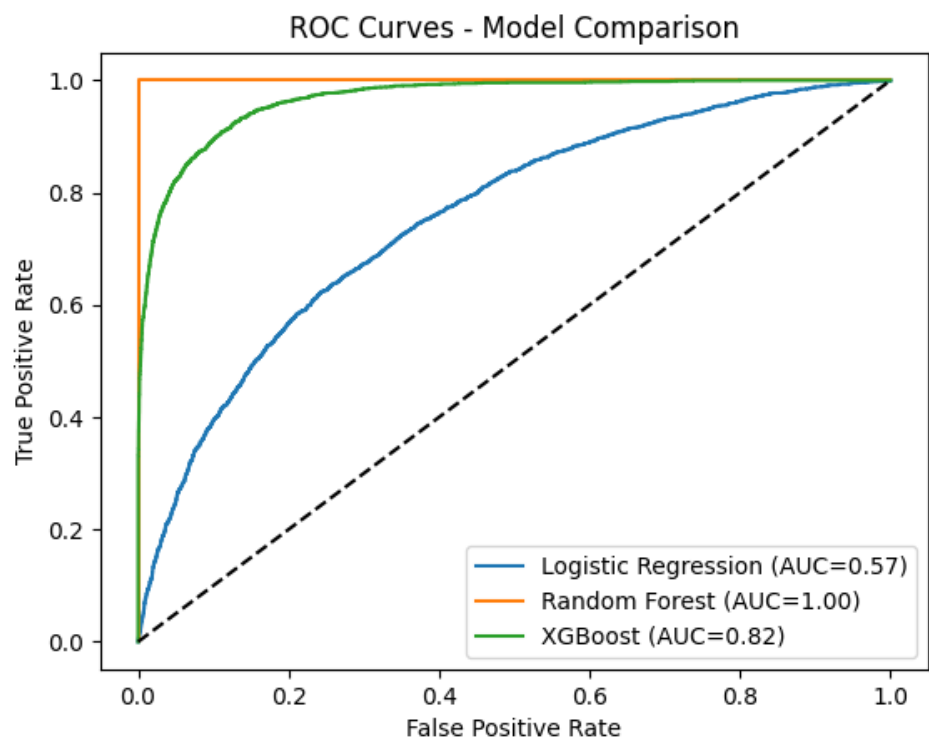
Customer Churn Prediction - Model Comparison Report

Target column: Exited
Rows used for training: 10000

Model Performance Comparison:

Model	Accuracy	ROC-AUC
Logistic Regression	0.808	0.574
Random Forest	1.000	1.000
XGBoost	0.919	0.820

ROC Curves:



Top 10 Features Driving Churn - Random Forest:

Age	0.202
NumOfProducts	0.12
Balance	0.093
CustomerId	0.09
EstimatedSalary	0.088

CreditScore	0.088
RowNumber	0.087
Surname	0.085
Tenure	0.052
IsActiveMember	0.038

Top 10 Features Driving Churn - XGBoost:

NumOfProducts	0.276
IsActiveMember	0.218
Age	0.136
Geography	0.076
Balance	0.05
Gender	0.05
HasCrCard	0.029
CreditScore	0.029
CustomerId	0.027
RowNumber	0.027