

Revenue Rescue Analytics Report

Generated on: 2025-05-28 14:35:47

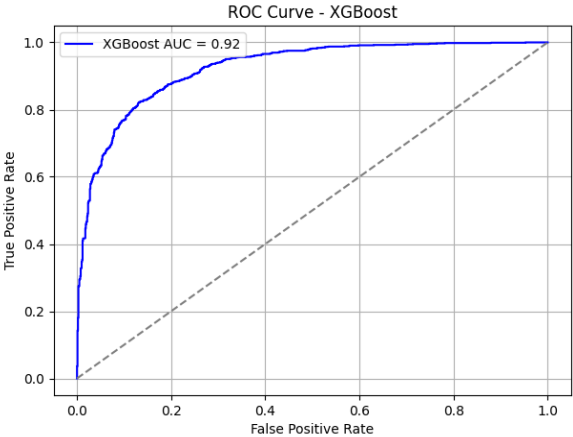
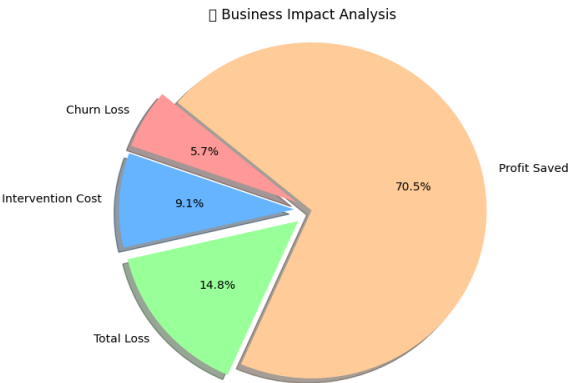
Business Impact Summary:

Churn Loss: \$138,000.00
Intervention Cost: \$220,400.00
Total Loss: \$358,400.00
Profit Saved: \$1,711,600.00

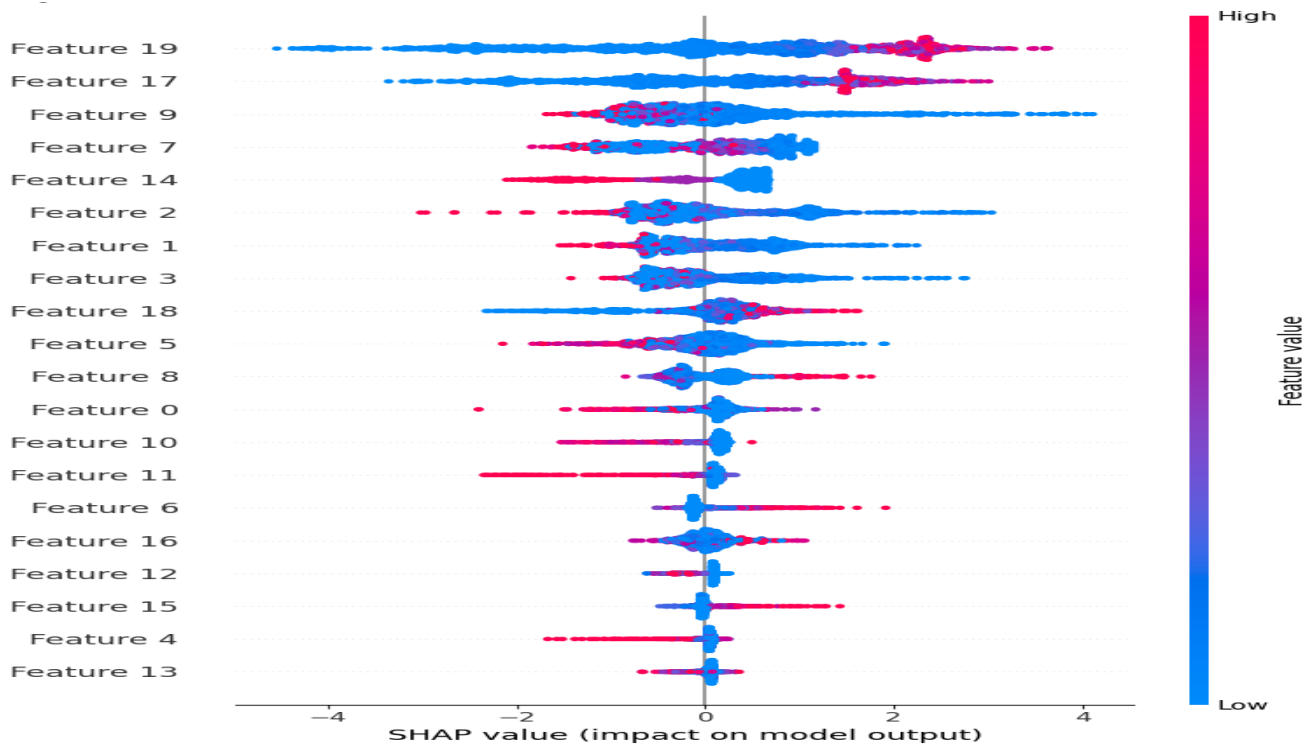
Classification Report:

	precision	recall	f1-score	support
0	0.86	0.81	0.83	1021
1	0.83	0.87	0.85	1049
accuracy	0.84 2070			
macro avg	0.84	0.84	0.84	2070
weighted avg	0.84	0.84	0.84	2070

ROC-AUC Score: 0.9237



■ Model Explainability: SHAP Analysis



Top 10 Most Influential Features:

MonthlyCharges_to_Tenure: 1.3787
MonthlyCharges_MonthlyCharges_to_Tenure: 1.0723
PaperlessBilling_MonthlyCharges_to_Tenure: 0.6443
tenure_InternetService: 0.6274
Contract: 0.5889
DeviceProtection_MonthlyCharges_to_Tenure: 0.5885
StreamingTV_MonthlyCharges_to_Tenure: 0.5056
StreamingMovies_MonthlyCharges_to_Tenure: 0.4788
MonthlyCharges_to_Tenure_TotalCharges_to_Tenure: 0.4350
PaymentMethod_MonthlyCharges_to_Tenure: 0.3567