

# Revenue Rescue Analytics Report

Generated on: 2025-05-28 10:37:15

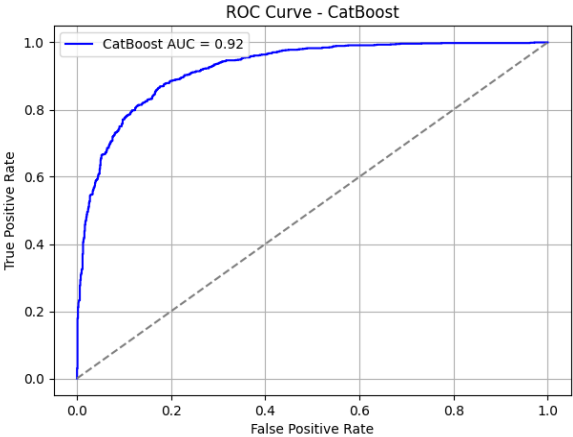
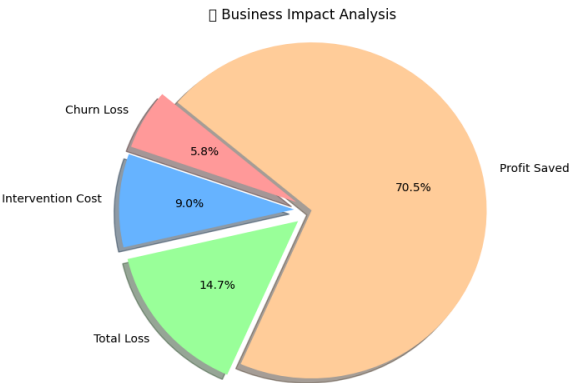
## Business Impact Summary:

Churn Loss: \$140,000.00  
Intervention Cost: \$217,800.00  
Total Loss: \$357,800.00  
Profit Saved: \$1,712,200.00

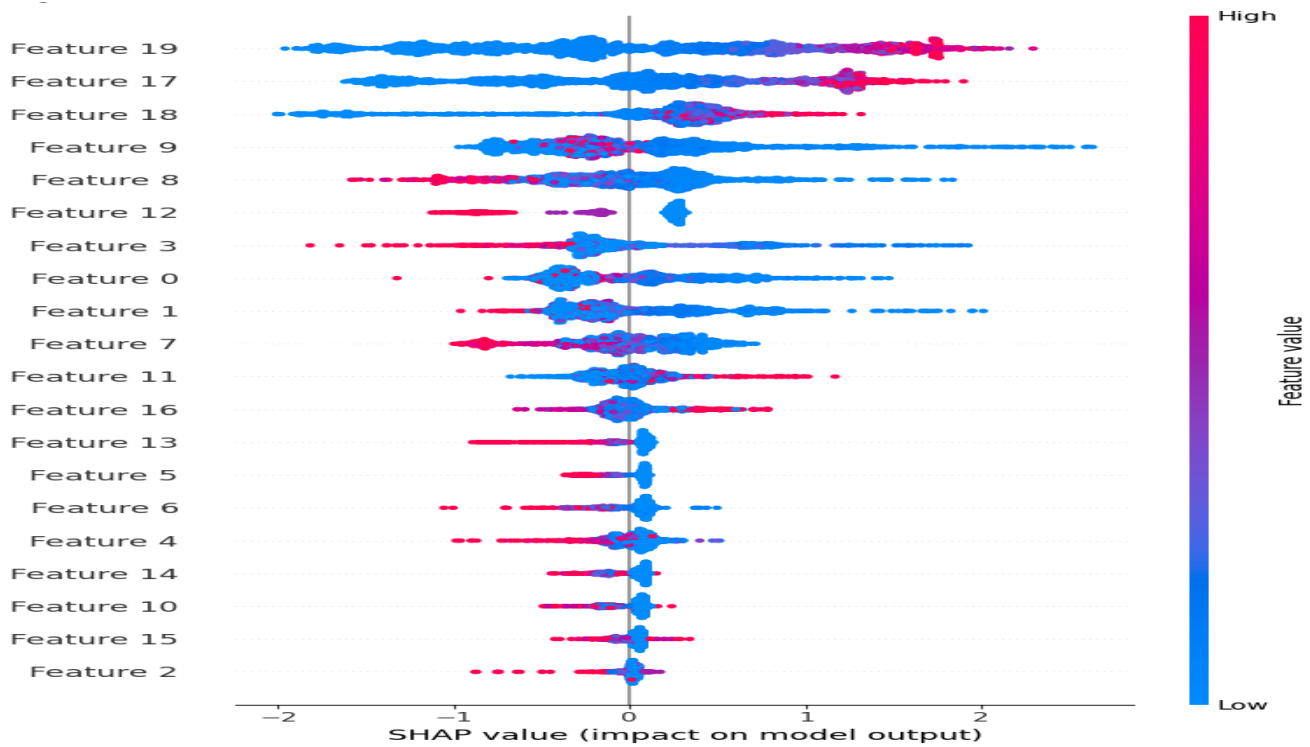
## Classification Report:

	precision	recall	f1-score	support
0	0.86	0.82	0.84	1021
1	0.83	0.87	0.85	1049
accuracy				0.85 2070
macro avg	0.85	0.85	0.85	2070
weighted avg	0.85	0.85	0.85	2070

## ROC-AUC Score: 0.9233



# ■ Model Explainability: SHAP Analysis



## Top 10 Most Influential Features:

MonthlyCharges\_to\_Tenure: 0.8431  
MonthlyCharges\_MonthlyCharges\_to\_Tenure: 0.6787  
MonthlyCharges\_to\_Tenure\_TotalCharges\_to\_Tenure: 0.5036  
PaperlessBilling\_MonthlyCharges\_to\_Tenure: 0.4575  
PaymentMethod\_MonthlyCharges\_to\_Tenure: 0.3809  
Contract: 0.3549  
TechSupport\_MonthlyCharges\_to\_Tenure: 0.3523  
StreamingTV\_MonthlyCharges\_to\_Tenure: 0.3455  
StreamingMovies\_MonthlyCharges\_to\_Tenure: 0.3358  
tenure\_InternetService: 0.2638