**Loading the dataset:  
A screenshot of a calendar

Description automatically generated**

**Data Overview:**

**A screenshot of a computer screen

Description automatically generated**

**Data Cleaning:**

**A screenshot of a computer screen

Description automatically generated**

**Data Visualization:**

**A graph of different numbers

Description automatically generated with medium confidence**

**Correlation Heatmap:**

**A screenshot of a graph

Description automatically generated**

**Feature scaling and Preprocessing:**

**A screenshot of a computer

Description automatically generated**

**Logistic Regression Model:**

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**Random Forest Model:**

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**Data Imbalance:**

**A white background with black text

Description automatically generated**

**Hyperparameter Tuning:**

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**Gradio Interface for Real-Time Prediction:**

**A screenshot of a credit card

Description automatically generated**