1. Data Loading and Preprocessing

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import pandas as pd
from sklearn.model selection import train test split
from sklearn.preprocessing import StandardScaler
# Load dataset
df = pd.read_csv('creditcard.csv')
# Feature selection
X = df.drop(['Class'], axis=1)
y = df['Class']
# Train-test split
         X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
                                 random_state=42)
# Standardize features
scaler = StandardScaler()
X_train_scaled = scaler.fit_transform(X_train)
X_test_scaled = scaler.transform(X_test)
Model Training
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from sklearn.ensemble import RandomForestClassifier
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# Initialize and train model
model = RandomForestClassifier(random_state=42)
model.fit(X_train_scaled, y_train)

Model Evaluation
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from sklearn.metrics import classification_report, confusion_matrix

# Predictions
y_pred = model.predict(X_test_scaled)

# Evaluation metrics
print(classification_report(y_test, y_pred))
print(confusion_matrix(y_test, y_pred))
```