

# CREDIT RISK ANALYSIIS RORTE

# **Project Overview**

01

Title

Credit Risk Classification Using Machine Learning 02

Objective

Predict loan default risk to assist credit decision-making

03

Data

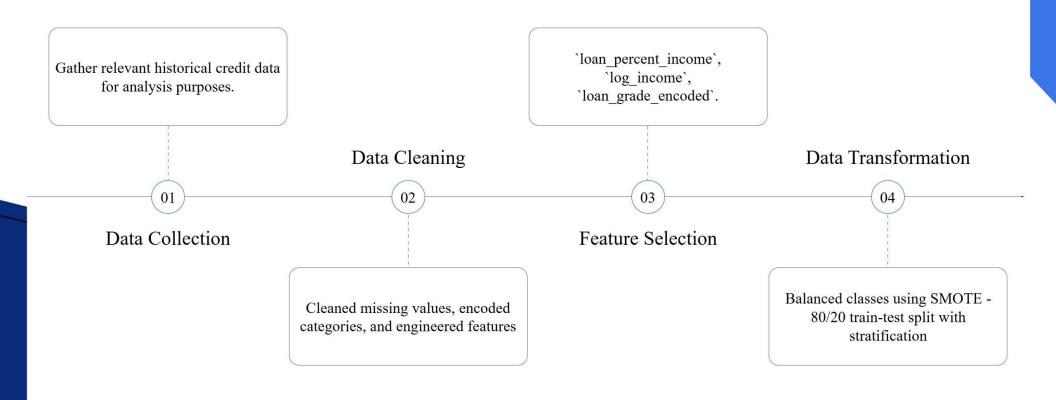
Borrower demographics, loan details, repayment status

04

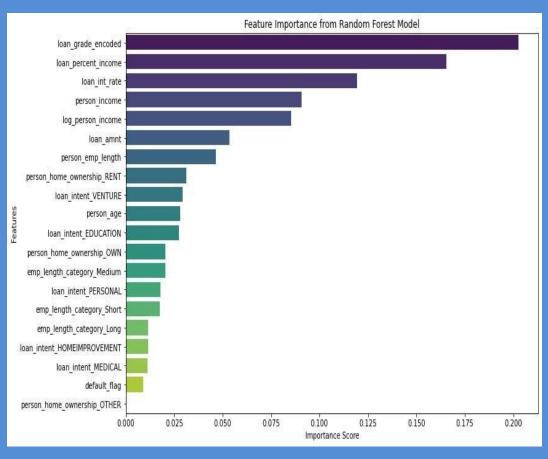
Models

Random Forest & Logistic Regression

# Data Preparation & Feature Engineering

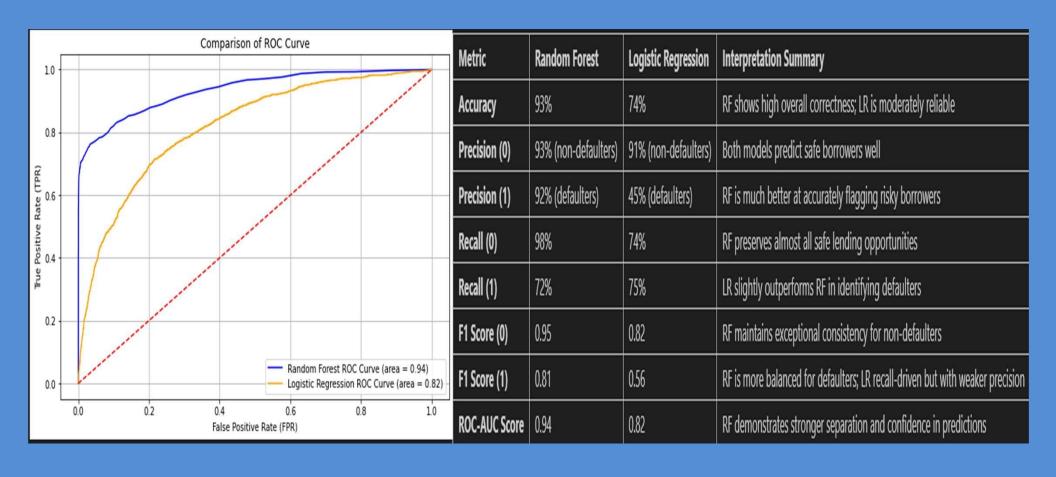


## Feature Importance Insights

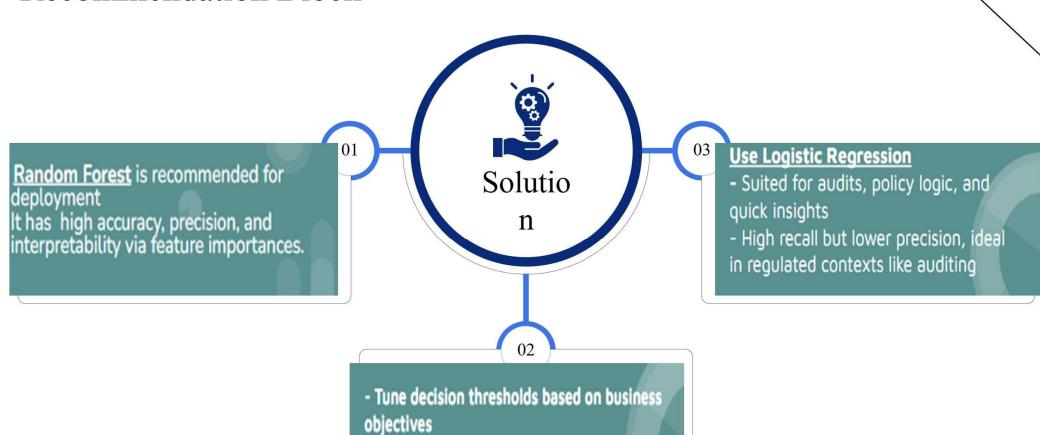


- - **Top drivers**: loan gradeencoded, loan-percent-income, loan-int-rate
- Feature importance aligns with lending intuition: affordability, creditworthiness, repayment terms
- Adds credibility to model logic and stakeholder trust

### Model Comparison Summary: Random Forest vs Logistic Regression



### Recommendation Block



- Document the project for portfolio or

stakeholder showcase



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