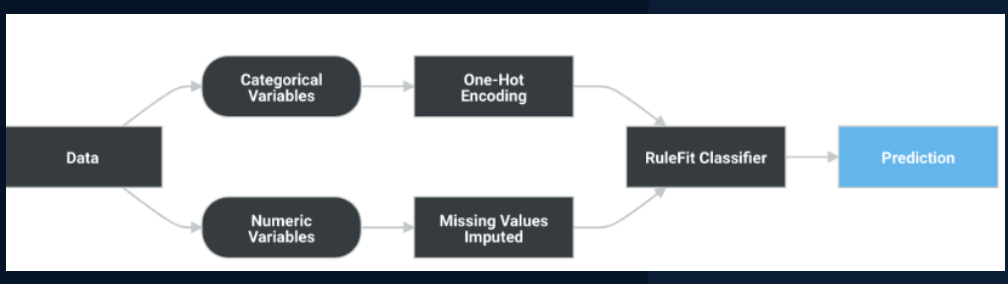
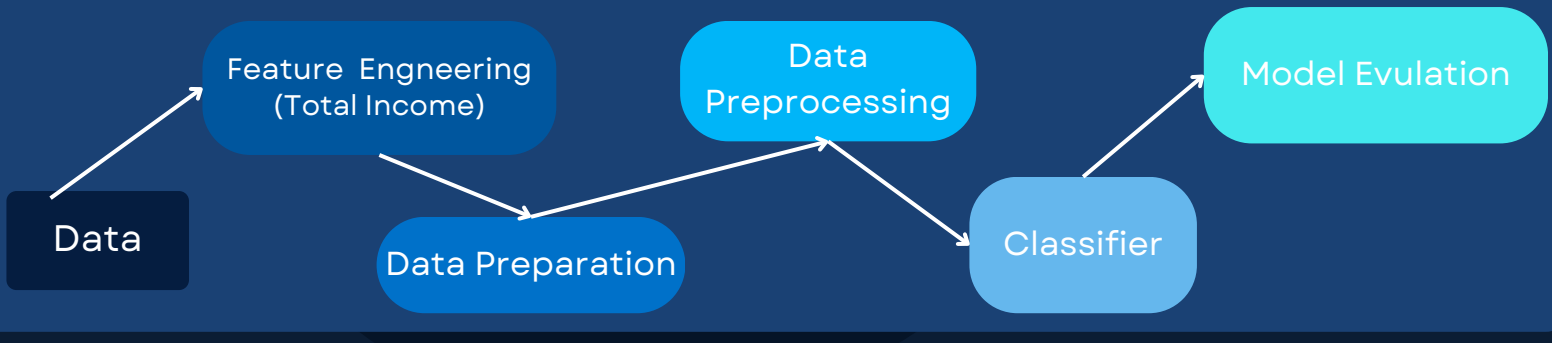
LOAN STATUS PREDICTION

Objective

To develop a machine learning-based loan status prediction system capable of determining the eligibility status of users/customers for loan approval.



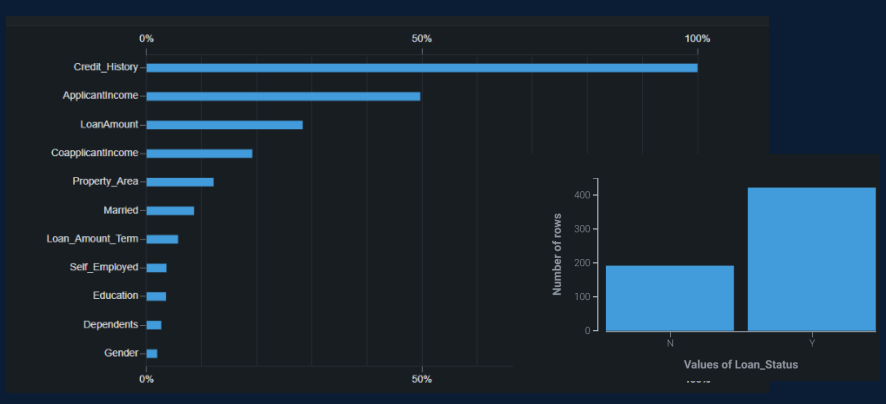


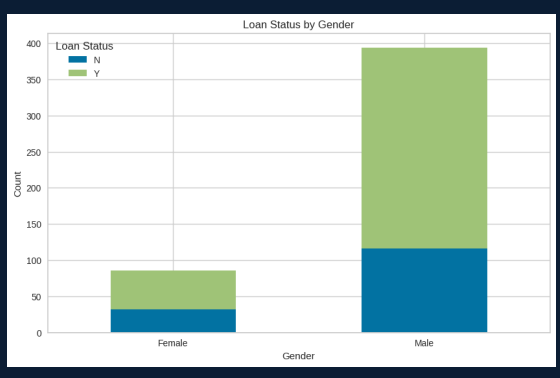
Tech Stack

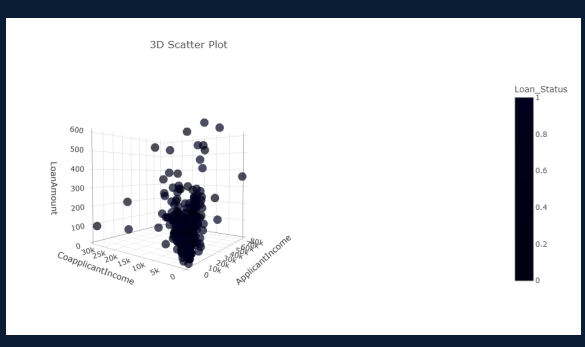
Implemented Models

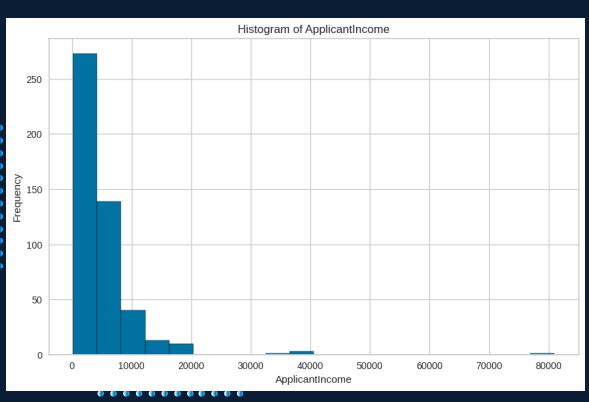
1) Random Forest
2) Support Vector Machine
3) Logistic Regression
4) Decision Tree
5) Naive Bayes
6) Artificial Neutral Network (ANN)
7) Light GBM

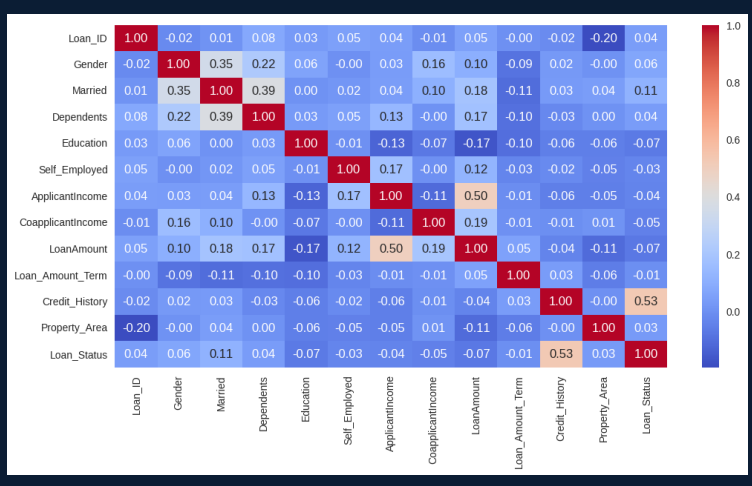
Data Visualizations

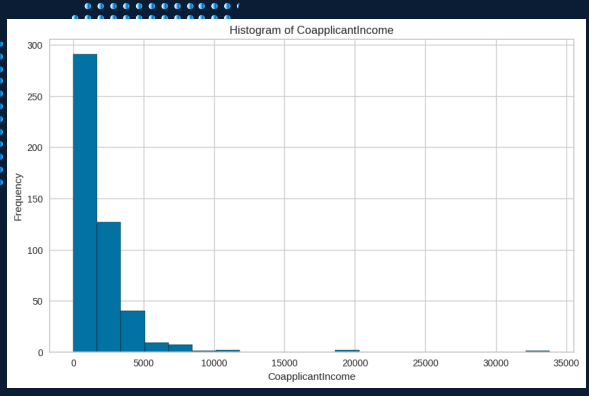


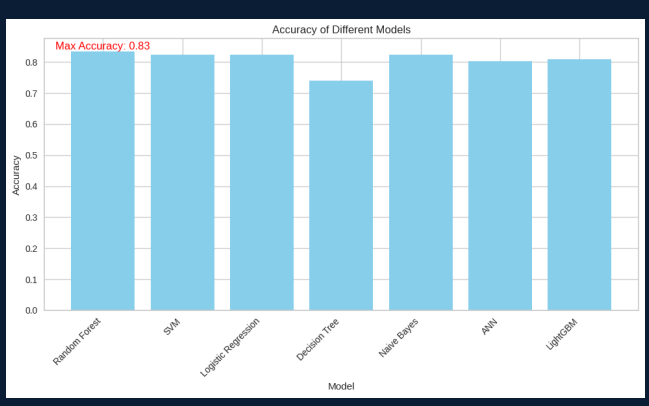


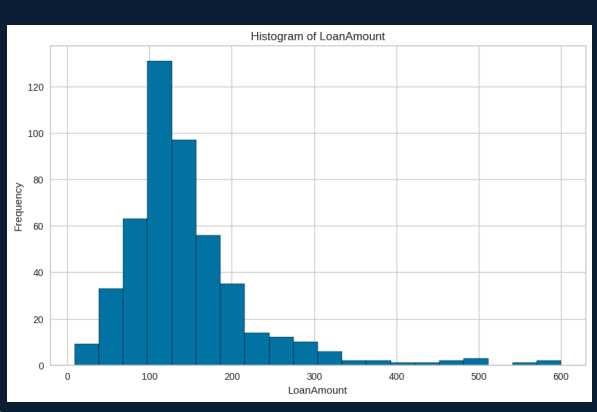












Scope

Lending institutions can streamline their loan approval processes, improve decision-making accuracy, and ultimately promote financial inclusion by extending credit opportunities to deserving applicants while minimizing risks.

Results:

After thorough evaluation, the Random Forest model emerged as the most accurate predictor, demonstrating the highest accuracy among all models considered.