Project Flow

Smart Lender - Applicant Credibility Prediction For Loan Approval

Team ID: PNT2022TMID21336

1. Installing Required Libraries.

2.Data Collection.

· Collect the dataset

3.Data Preprocessing.

· Importing the Libraries.

· Importing the dataset.

· Understanding Data Type and Summary of features. · Taking care of missing data

· Data Visualization.

· Drop the column from Data Frame & replace the missing value. · Splitting the Dataset into Dependent and Independent variables· Splitting Data into Train and Test.

4.Model Building

.Decision Tree Model

.Random Forest Model

- KNN Model

- Xgboost Model

- Comparing The model

- Evaluating Performance of the model

- Saving The Model

5. **Application Building**

- Building Html Pages

- Build Python Code

- Run the Application

6. Final UI

- Dashboard Of the flask app.

6. Train The Model on IBM • Registering For IBM • Training The ML Model On IBM • Integrate Flask With Scoring End Point

PROJECT FLOW:

Start

Register

invalid

Login

checking details

valid

uploading data

capture data (Bank review)

Data for bank use

data preprocessing

IS Loan approved

yes   no

Test data   Train data set

Loan approved   Loan Rejected

Data preprocessing

user receives the status

Processed Data