

Project Flow

Smart Lender - Applicant Credibility Prediction for Loan Approval

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1. Installing Required Libraries.

2.Data Collection.

- Collect the dataset

3. Data Pre-processing.

- 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.

7. Train the Model on IBM

- Registering For IBM
- Training The ML Model On IBM
- Integrate Flask with Scoring End Point