

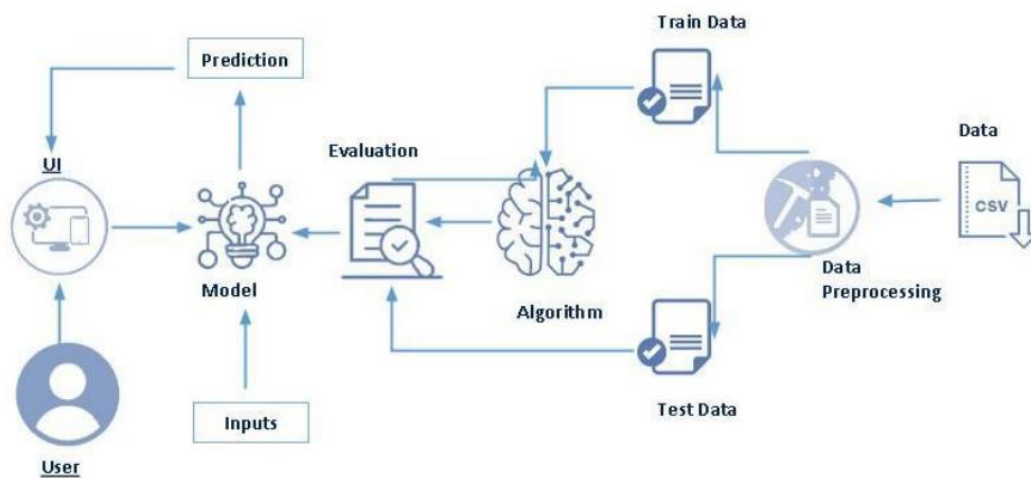
Project Design Phase-I
Solution Architecture

Date	1 st November 2023
Team ID	Team-591689
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behaviour, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.



Explanation for the Architecture Diagram:

1. The acquired dataset is first used to train the model.
2. After pre-processing the dataset, the data will be divided into train and test sets.
3. A PKL file would then be saved for the model.
4. The model and website would be integrated using Flask, and a webpage would be made for the interaction.
5. The user would provide the input, which would then be processed to produce a prediction.
6. The result would be indicated as "Eligible" or "Not Eligible" when the forecast was made.
7. The consumer can find out eligibility even more easily by scaling this up as an API and integrating it with the mobile banking app.