

Project Design Phase Solution Architecture

Date	06/02/2026
Team ID	LTVIP2026TMIDS80883
Project Name	Prosperity Prognosticator: Machine Learning for Startup Success Prediction
Maximum Marks	4 Marks

Solution Architecture:

1. User & UI

- User provides inputs through the interface.
- Receives predictions from the system.

2. Inputs & Model

- Inputs are fed into the ML model.
- Model applies learned patterns to generate predictions.

3. Prediction

- Output from the model sent back to the user via UI.

4. Data & Preprocessing

- Raw data (CSV) is cleaned, transformed, and split into train and test sets.

5. Algorithm & Training

- Algorithm trains the model using train data.
- Test data evaluates model performance (accuracy, metrics).

6. Evaluation

- Ensures the model predicts correctly before deployment.

Flow: Data → Preprocessing → Train/Test → Model → Evaluation → Prediction → User.

Solution Architecture Diagram:

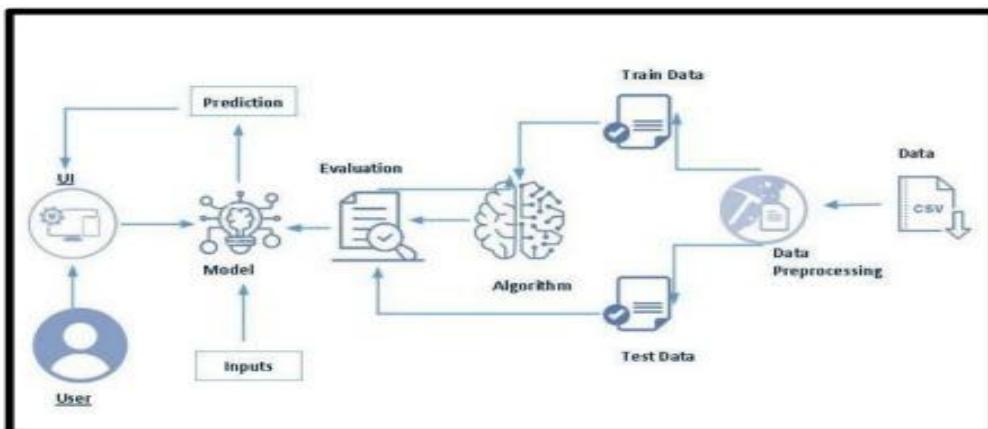


Figure 1: Architecture and data flow diagram