

# Project Design Phase

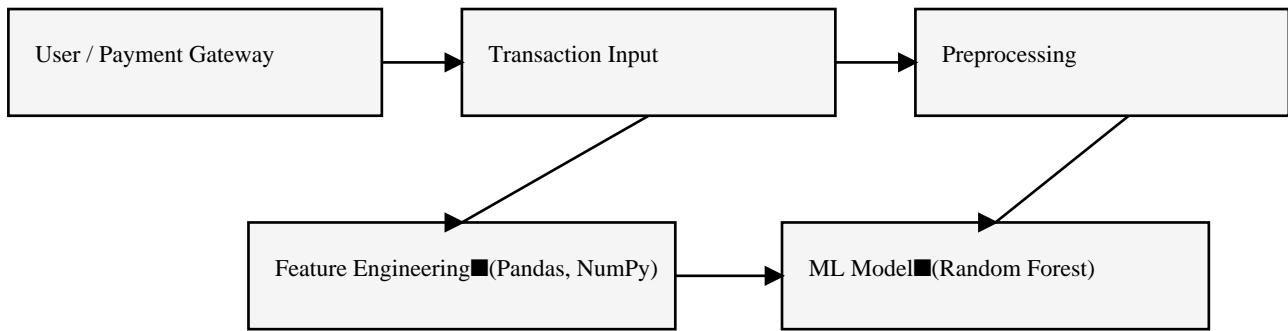
## Solution Architecture

Date	15 February 2025
Team ID	
Project Name	Online Payments Fraud Detection Using Machine Learning
Maximum Marks	4 Marks

### Solution Architecture:

This architecture bridges financial fraud problems with a machine learning solution. It explains how transaction data is collected, processed, analyzed, and classified to detect fraudulent activities.

### Solution Architecture Diagram:



### References:

- 1. <https://scikit-learn.org/stable/>
- 2. <https://pandas.pydata.org/docs/>
- 3. <https://numpy.org/doc/>
- 4. <https://matplotlib.org/stable/contents.html>
- 5. <https://seaborn.pydata.org/>
- 6. <https://www.kaggle.com/datasets/mlg-ulb/creditcardfraud>
- 7. <https://towardsdatascience.com/machine-learning-for-fraud-detection>
- 8. <https://aws.amazon.com/architecture/>