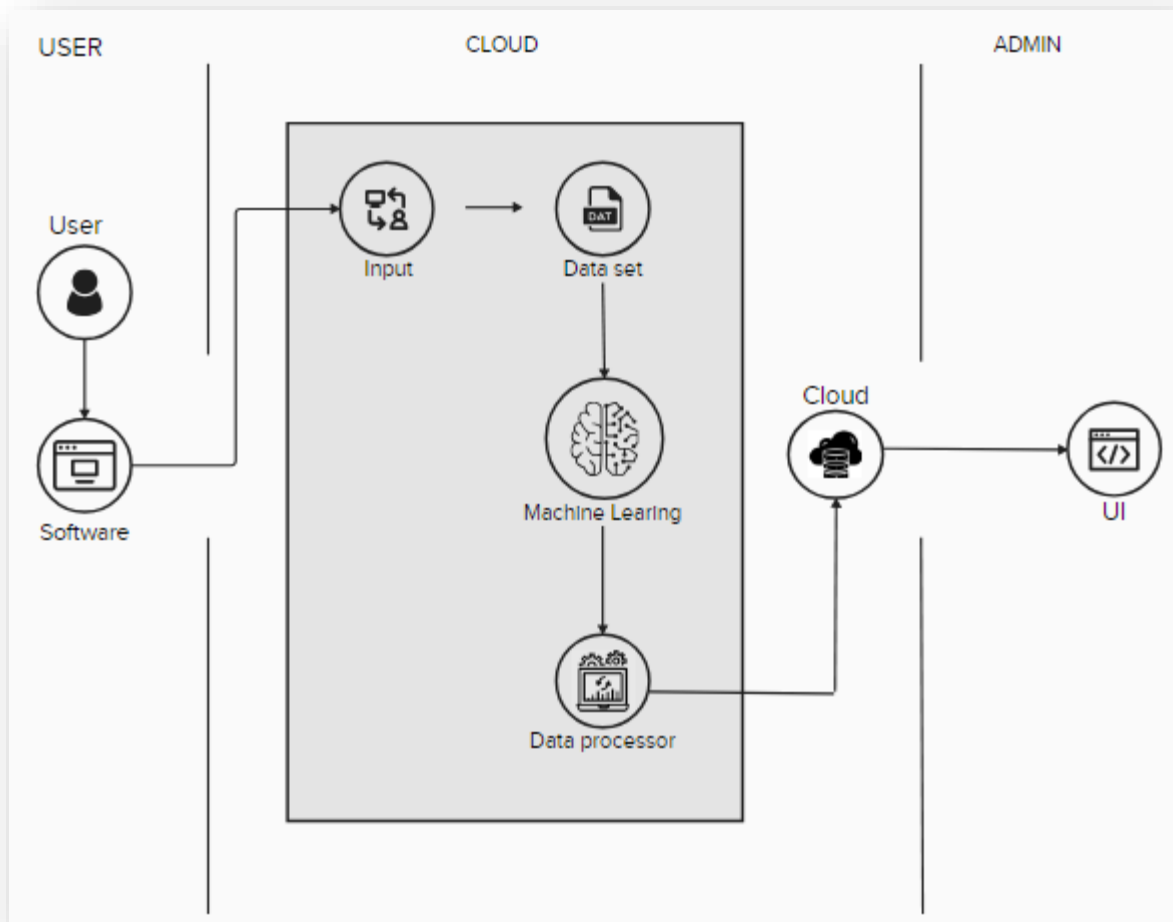


## Project Design Phase-II

### Technology Stack (Architecture & Stack)

Date	08 November 2023
Team ID	592128
Project Name	Online Payments Fraud Detection using ML
Maximum Marks	4 Marks

#### Technical Architecture:



**Table-1: Components & Technologies:**

S.No	Components	Description	Technology
1.	User Interface	How to interact with UI	HTML, CSS
2.	Application Logic	Logic for process in Application	Python
3.	Database	Data Type, Configurations etc	Dataset from kaggle
4.	Framework	To connect to Web	Flask, Python
5.	Machine Learning Model	Purpose of Machine Learning Model	To identify Frauds
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System	Local, Flask

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open Source Frameworks	Using open source ML Frameworks for data processing and model development which have access to wide range of libraries	Python, PyTorch, Tensorflow
2.	Security Implementation	Security is there for access of dataset	Encryption, Access control
3.	Scalable Architecture	Good Visuals and Graphs	Data Visualization Models.
4.	Availability	Sophisticated Machine learning models with layers	Machine Learning Algorithms
5.	Performance	Model will tell transaction is Fraud or Not fraud	Machine Learning Algorithms performance testing