Project Design Phase-II
Data Flow Diagram & User Stories

Date	13 November 2023
Team ID	PNT2023TMID592150
Project Name	Online Payments Fraud Detection using ML
Maximum Marks	4 Marks

Data Flow:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
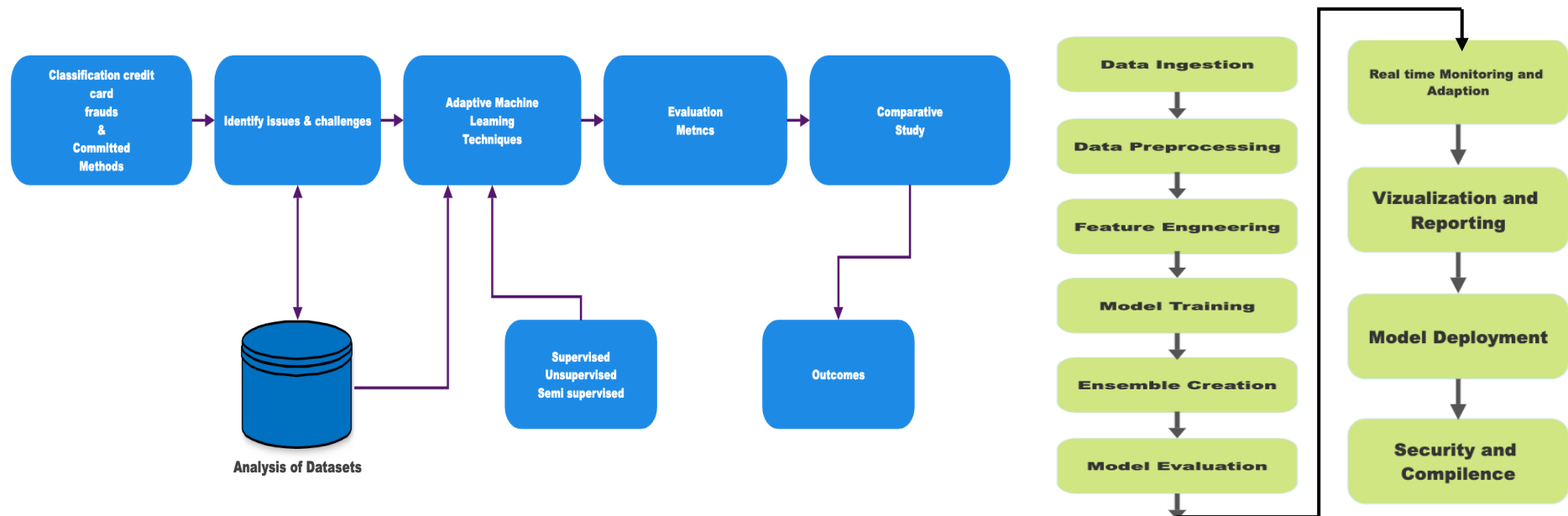
User Stories :

Use the below template to list all the user stories for the product.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project setup & Infrastructure	USN-1	To Setup an Online Payments Fraud Detection using ML	1	High	Ruksana
Sprint-1	Development environment	USN-2	Gather a diverse dataset of Text that represents the details of the Transaction made by the Costumer.	2	High	Omprakash
Sprint-2	Data collection	USN-3	Users want assurance of secure handling and transparency in data collection practices. Concerns about privacy and potential misuse of personal information can lead to apprehension	3	High	Karthik
Sprint-2	data preprocessing	USN-4	Explore and evaluate different deep learning architectures (e.g., svm, random forest, decision tree) to select the most suitable model for online payments fraud detection	4	High	Omprakash
Sprint-3	model development	USN-5	train the selected Machine learning model using the preprocessed dataset and monitor its performance on the validation set.	5	High	Karthik
Sprint-3	Training	USN-6	incorporate data training using handing null values,handling of outliers ,separating test and train data to enhance the model's resilience and boost its accuracy.	6	Medium	Ruksana
Sprint-4	model deployment & Integration	USN-7	deploy the trained Machine learning model as an API or web service to make it accessible for online payment fraud detection. Integrate the model's API into a user-friendly web interface for users to Know the fraud payments.	2	Medium	Karthik
Sprint-5	Testing & quality assurance	USN-8	conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results.	1	Medium	Omprakash Ruksana