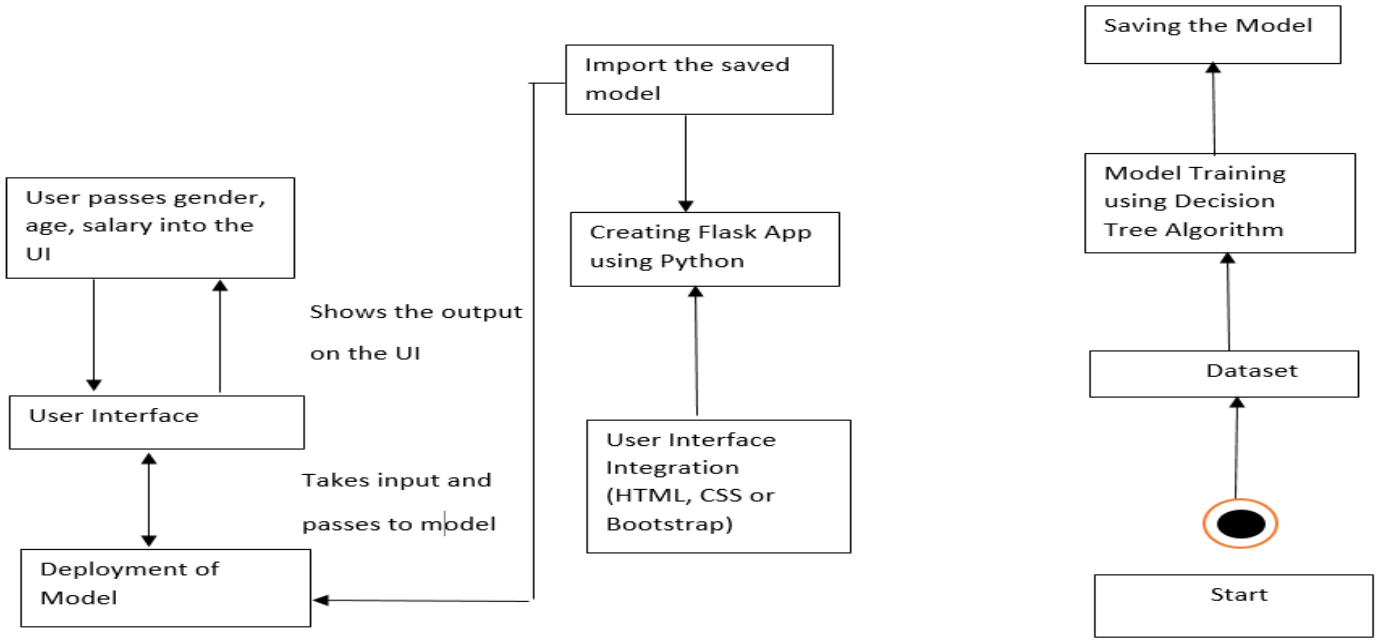
Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	20 October 2023
Team ID	Team-592746
Project Name	Project – Car Purchase Prediction using ML
Maximum Marks	4 Marks

Technical Architecture:

Reference: https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/

TECHNICAL ARCHITECTURE:



Guidelines:

1. Include all the processes (As an application logic / Technology Block)
2. Provide infrastructural demarcation (Local / Cloud)
3. Indicate external interfaces (third party API's etc.)
4. Indicate Data Storage components / services
5. Indicate interface to machine learning models (if applicabl

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI	HTML
2.	Application Logic-1	Logic for a process in the application	Python
3.	Database	Collect the dataset based on the Problem Statement	Kaggle, File Manager, etc.
4.	File Storage/Data	File storage requirements for Storing the dataset	Local System, Google Drive, etc.
5.	Frame Work	Used to create a web application, integrating Frontend and Backend	Python Flask
6.	Machine Learning Model	Purpose of Machine Learning Model	Classification - whether users can purchase a car or not

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Python’s flask

References:

https://c4model.com/

https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/

https://www.ibm.com/cloud/architecture https://aws.amazon.com/architecture

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d