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

Date	12 October 2022
Team ID	PNT2022TMID40397
Project Name	DEMANDEST – AI POWERED FOOD DEMAND FORECASTER
Maximum Marks	4 Marks

Technical Architecture:

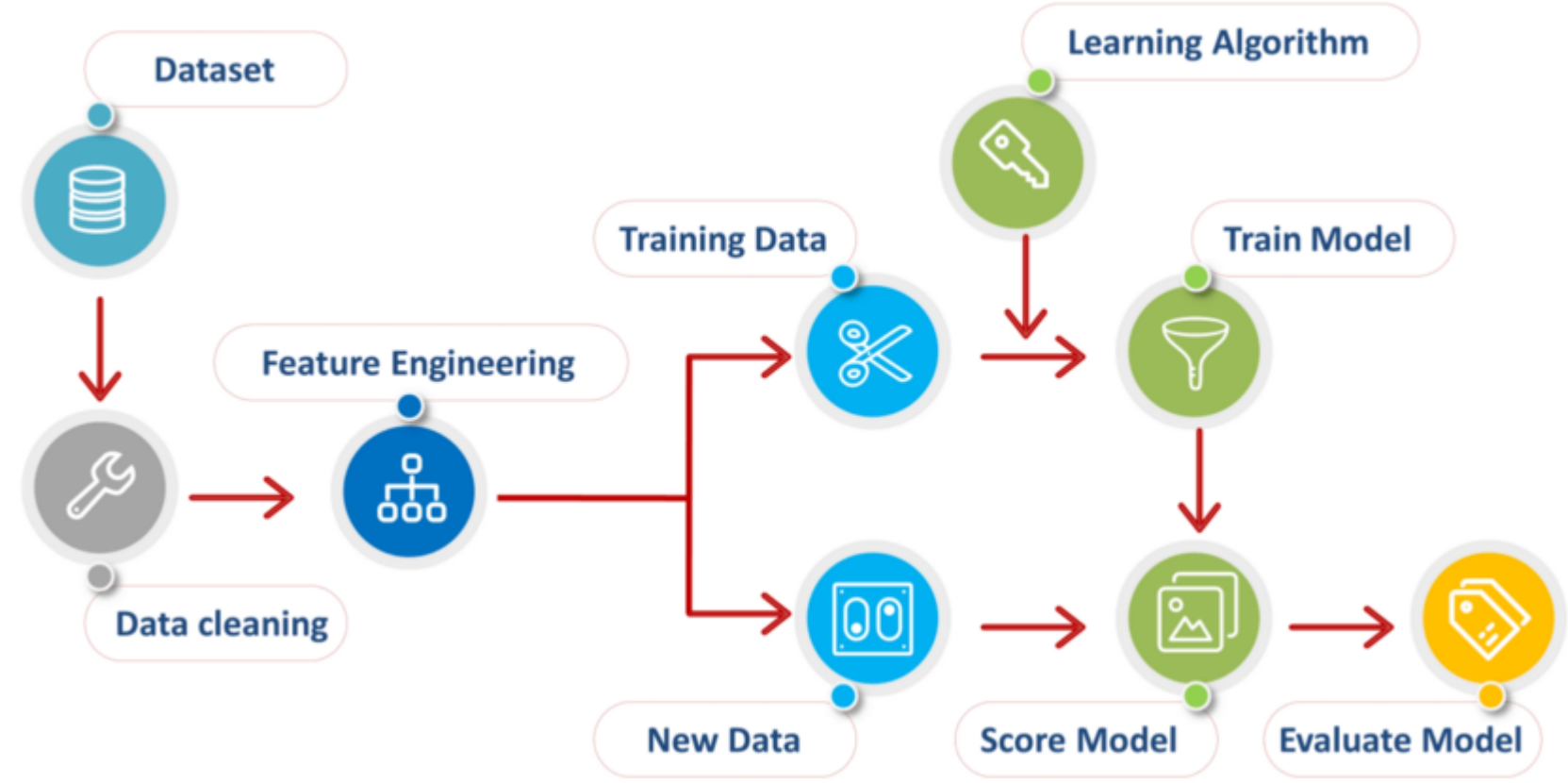

Table-1: Components & Technologies:

S No	Component	Description	Technology
1.	User Interface	User access to the application through the mobile application.	HTML
2.	Application Logic-1	Creating an application interface	Python
3.	Application Logic-2	Creating an AI assistant that gives food services to the user.	IBM Watson Assistance
4.	Evaluation and algorithm	Uses python libraries like NumPy, pandas,for processing, trainingand testing data from .csv files	Jupyter notebook
5.	Database	Csv file	
6.	Geolocation	Used to reach the destination.	Google map, user address.

Table 2: Application Characteristics:

S No	Characteristics	Description	Technology
1.	Open-Source Frameworks	There are no open-source frameworks in this application.	Python
2.	Security Implementations	Authentication through OTP	Through mobile phones
3.	Scalable Architecture	Users are provided with food services in online and they can also get info about the recent highly used products. In this model costumer gets benefits on analyzing their industry data and provides prediction on day to day analysis of food that sold and reduce the wastage of food by predicting its sales movements.	Quality assurance
4.	Availability	Here data are updated and the demands were predicted according to the data.	Online system
5.	Performance	The geo-fencing algorithm is updated daily and shows the day-to-day updates of the contaminated zones.	Geo fence