PROJECT DESIGN PHASE – II

Technology Stack

Date	15.10.2022
Team ID	PNT2022TMID07730
Project Name	Car Resale Value Prediction
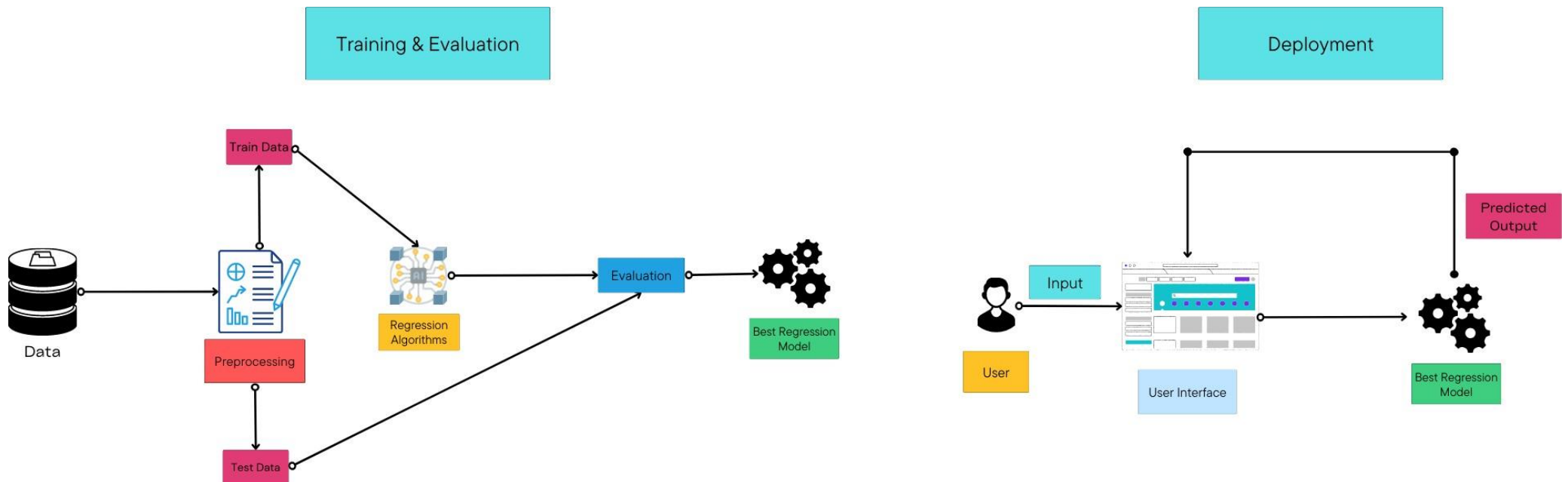
Table- 1: Components & Technologies:

S.No	Components	Description	Technology
1.	User Interface	How the user interacts with the application e.g.,Web UI.	HTML, CSS, JavaScript
2.	Preprocessing	Preprocess the training data.	Python - sklearn, pandas
3.	Train & Test dataset split	Splitting dataset for evaluation	Python – sklearn
4.	Machine Learning Model	To recognize patterns in the dataset.	Regression algorithm
5.	Infrastructure	Application Deployment on Local system and IBM cloud.	IBM Cloud

Table- 2: Application characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask, TensorFlow, python	HTML, CSS, Python
2.	Scalable Architecture	The Application will be deployed in the IBM cloud. Three tires are IBM cloud, Web service, and can be accessed using theinternet.	IBM cloud
3.	Availability	Since the application is deployed in the cloud environment it ensures availability.	IBM cloud
4.	Performance	Kera's ensures the performance of the model by using GPU in the host system.	Python, IBM cloud