Team id: 593155

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Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web UI, A flask based application.	HTML, CSS, Javascript, Python, Flask.
2.	Application Logic-1	Logic for getting data input form.	Python
3.	Application Logic-2	Logic to pass data to the Machine learning model	Python
4.	Application Logic-3	Predicting Required result using necessary Machine Learning Model	Python inbuilt libraries
5.	Application Logic-4	Logic to fetch data from the Machine Learning model	Python
6.	Application Logic-5	Code to serve output data to the user using internal API.	Python
7.	Database	Data used for Prediction.	MS Excel(CSV format)
8.	Machine Learning Model	A supervised machine learning model for predicting the car purchase.	Python, Jupyter Notebook
9	Server	Web hosting	pythonanywhere

Table-2: Application Characteristics:

S.No	Component	Description	Technology
1.	Machine Learning Frameworks	Used for creating the prediction model.	Python Libraries like skLean
2.	Data Preprocessing Tools	Used for EDA and data preprocessing.	Python Libraries like Numpy, Pandas, Matplotlib.
3.	User Interface	A user-friendly UI is created for the user's comfort.	HTML,CSS,Javascript.
4.	Availability	Ease for the user to access the web App.	Web hosting platforms like pythonanywhere are used to host the app, which contains its own load balancing feature.
5.	Scalability	Deploying the application on cloud infrastructure for scalability and performance.	Web hosting platforms like pythonanywhere are used.