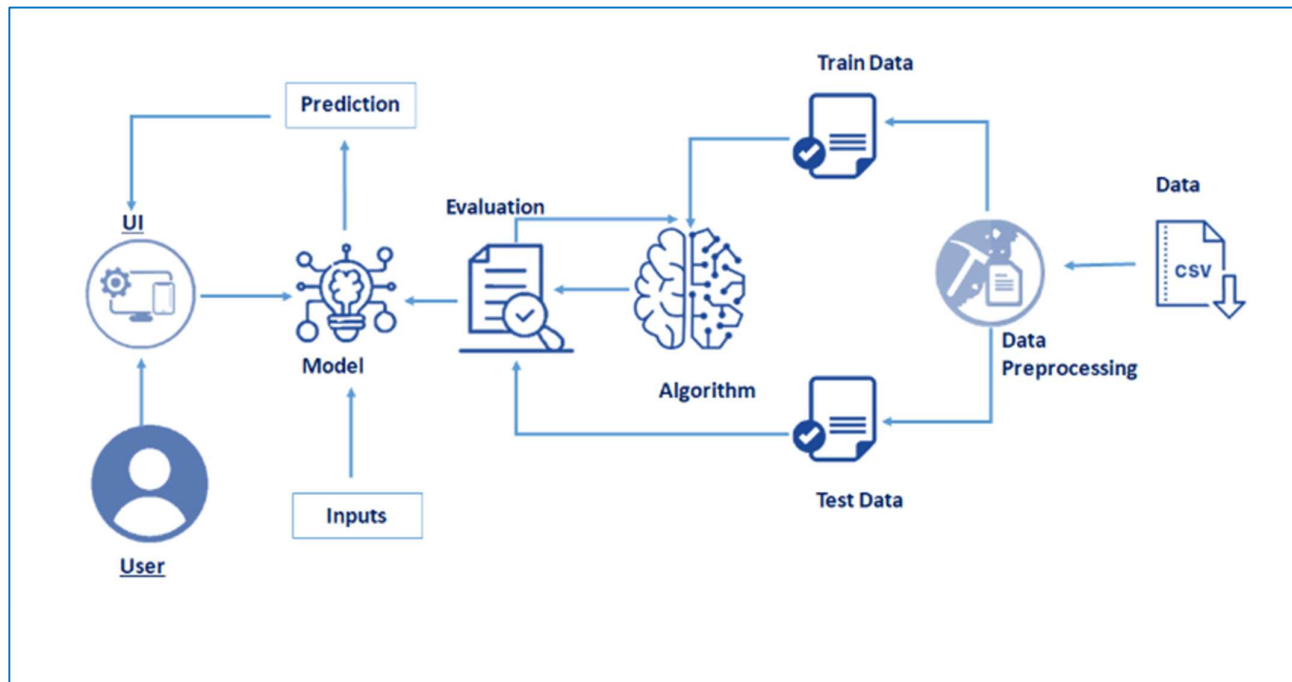


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	26 June 2025
Team ID	LTVIP2025TMID32654
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	4 Marks

**Technical Architecture:**



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application	HTML, web application using flask framework
2.	Application Logic	Logic for the process in the application	Python
3.	Machine Learning Model	To process, train the data and build the model to estimate traffic	Linear Regression
4.	Infrastructure (Server / Cloud)	Application Deployment on Local System	Local.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1	Can handle complex data	Regression algorithm is used for classification	Linear regression
2	User friendly interface	User can easily enter with the instructions provided while entering data	HTML
3	Accuracy	Model can give data accurately	Python

**References:**

<https://www.geeksforgeeks.org/machine-learning/machine-learning/>

<https://www.geeksforgeeks.org/machine-learning/python-for-machine-learning/>

<https://www.geeksforgeeks.org/machine-learning/ml-linear-regression/>