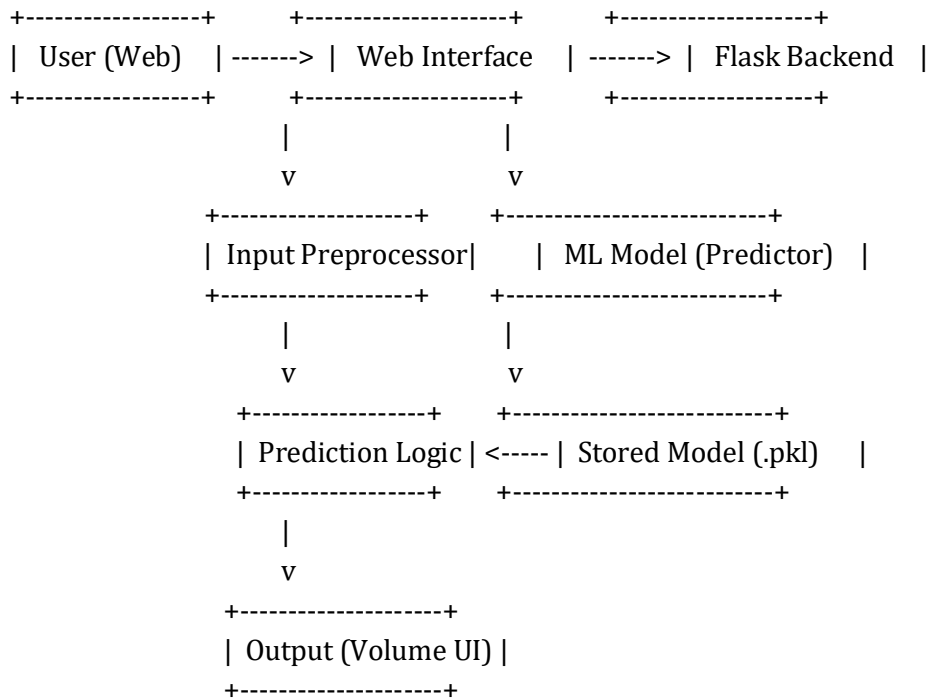


Project Design Phase-II

Data Flow Diagrams and User Stories

Date	20 July 2025
Team ID	LTVIP2025TMID20285
Project Name	TrafficTelligence – Advanced Traffic Volume Estimation Using Machine Learning
Maximum Marks	4 Marks

Data Flow Diagram (Level 0):



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Web User	Data Input	USN-1	As a user, I can enter the date, time, weather, and location to get traffic prediction	Form submission works; Data is passed to	High	Sprint-1

				Flask backend		
Web User	View Prediction	USN-2	As a user, I receive Low/Medium/High volume output after submitting input	Volume category is shown in browser	High	Sprint-2
Web User	View Confidence Score	USN-3	As a user, I see prediction accuracy percentage	Confidence score displayed clearly	Medium	Sprint-2
Admin	Model Update	USN-4	As an admin, I can upload a new trained model to improve prediction	New .pkl file accepted and linked to backend	Low	Sprint-3
Admin	Logs Monitoring	USN-5	As an admin, I can view past prediction logs for analysis	Log file created per session and viewable	Medium	Sprint-3