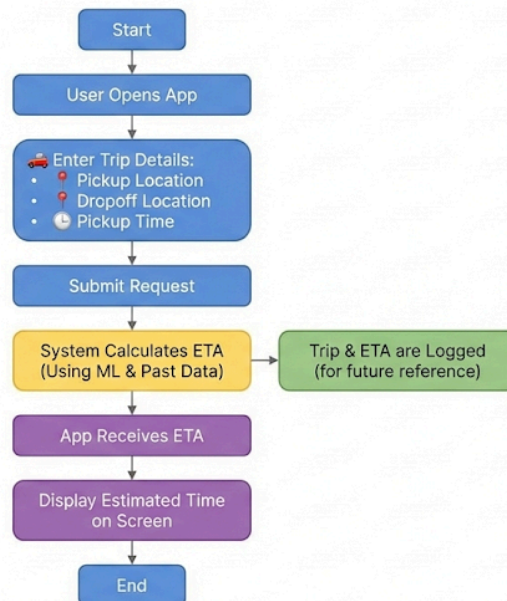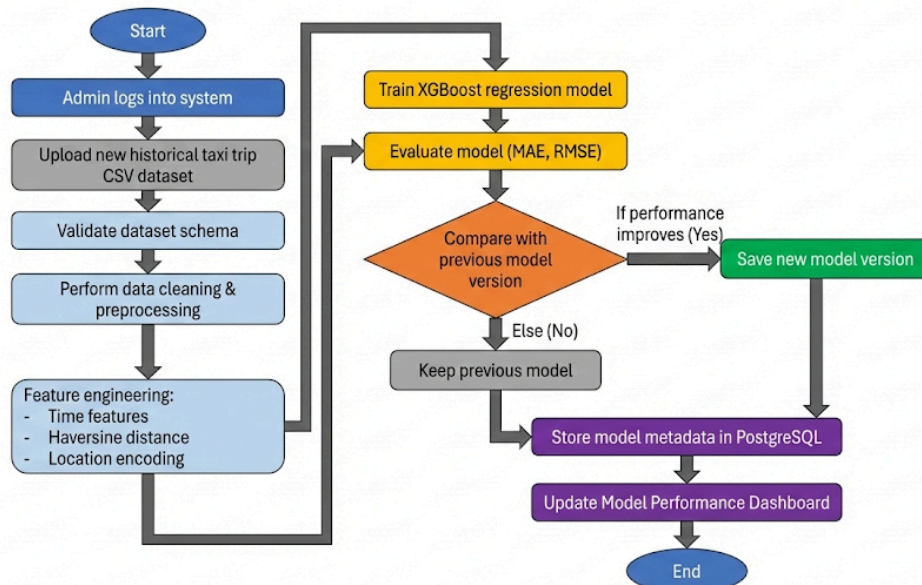# 1. Consumer Flow Diagram (User / Dispatcher Perspective)

Taxi Trip Duration Prediction – Consumer Flow
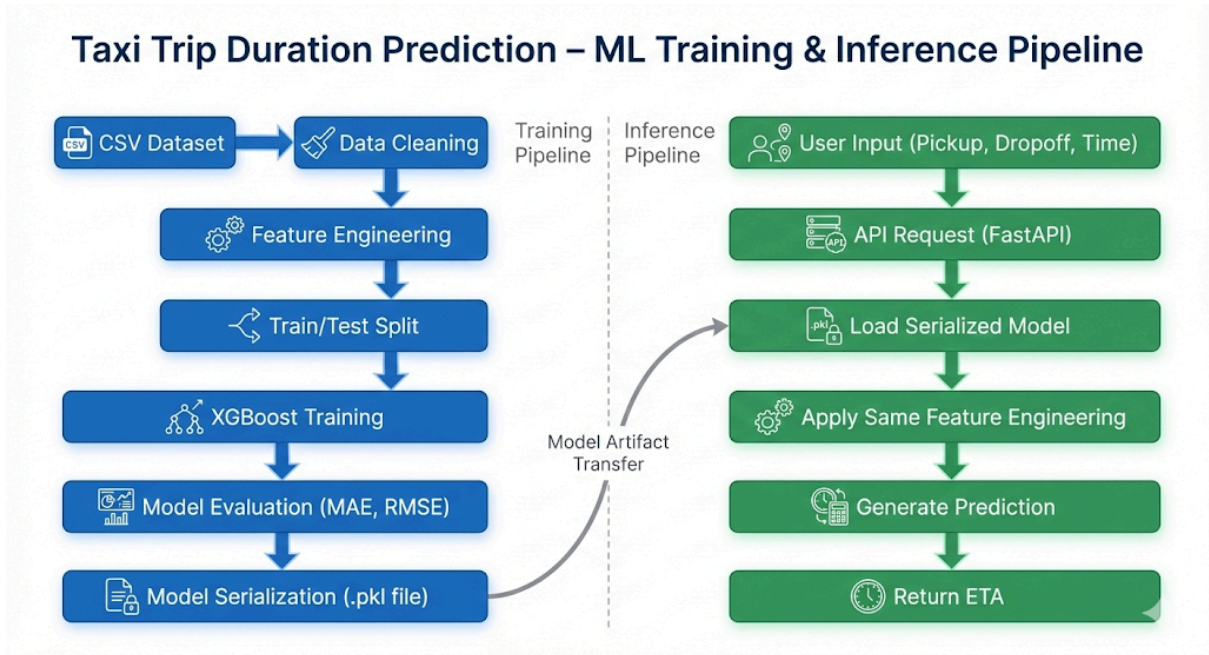
2. Admin / Retraining Flow Diagram

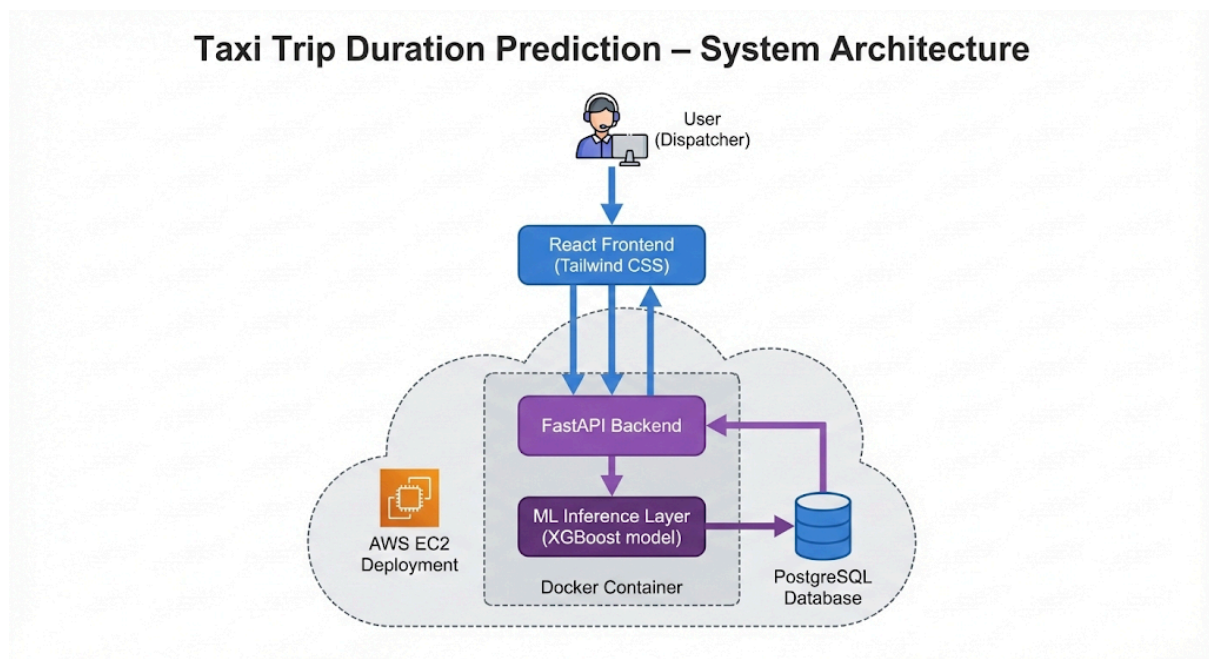Taxi Trip Duration Prediction – Admin & Model Retraining Flow

3.ML Pipeline Diagram (Training vs Inference Separation)

Taxi Trip Duration Prediction – ML Training & Inference Pipeline

4. High-Level System Architecture (HLD)

Taxi Trip Duration Prediction – System Architecture

5.Database ER Diagram

Taxi Trip Duration Prediction – Database Schema

trip_predictions

🔑 id (PK) INT

pickup_location VARCHAR(255)

dropoff_location VARCHAR(255)

pickup_time TIMESTAMP

predicted_duration INT

created_at TIMESTAMP DEFAULT
CURRENT_TIMESTAMP

model_metadata

🔑 model_version (PK) VARCHAR(50)

training_date DATE

MAE FLOAT

RMSE FLOAT

model_path VARCHAR(255)