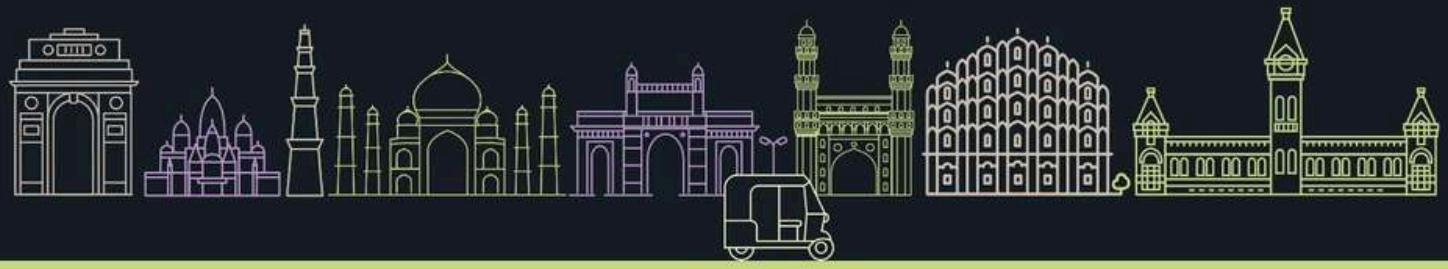
Innovation partner H2S

Media partner YOURSTORY

AI for Bharat Hackathon

Powered by aws



Team Name : KURKURE

Team Leader Name : Shivansh Rajput

Problem Statement : Problem(06)-AI for communities, Access & Public Impact

Brief about the Idea:

- *The proposed solution is a unified mobility and delivery aggregator application that integrates multiple ride-hailing and delivery platforms (such as cab, bike taxi, and courier services).*
- *The app allows users to choose between the **cheapest** or **fastest** travel option based on real-time pricing, traffic, and availability.*
- *Additionally, it introduces **weather-based incentive pricing** to ensure riders are fairly compensated during difficult conditions such as rain, heatwaves, or extreme cold.*

Solution Explanation:

How is it different from existing ideas?

- **Existing apps operate in isolation; this platform compares multiple services simultaneously.**
- **Provides choice-driven optimization (cost vs time), not fixed pricing.**
- **Introduces dynamic weather-based rider incentives, which is currently absent.**

How does it solve the problem?

- Eliminates the need to check multiple apps manually.
- Uses intelligent comparison to recommend the best option instantly.
- Improves rider motivation and availability during adverse conditions.

USP of the Proposed Solution

- **One app for all mobility and delivery decisions.**
- **User-controlled optimization (fastest or cheapest).**
- **Fair and transparent earnings model for riders.**

List of Features Offered

- **Multi-platform** fare and ETA comparison
- **Cheapest** vs **fastest** route selection toggle
- **Ride booking** (cab, bike taxi, auto)
- **Local delivery** and parcel services
- **Weather-based** dynamic rider incentives
- Real-time traffic and demand analysis
- **Secure in-app payments**
- **Rider** performance and incentive dashboard

Process Flow / Use-Case Diagram

User Flow:

Wireframes/Mock diagrams of the proposed solution (optional)

Screen 1 – Trip Input
Pickup
Destination
Cheapest ⭕ Fastest ⭕
Compare Rides

Screen 2 – Ride Comparison
Uber – ₹180 – 12 min
Rapido – ₹150 – 15 min
Ola – ₹200 – 10 min
Cheapest 💰 Fastest ⏱️

Screen 3 – Ride Details
Selected Ride: Rapido
Price: ₹150
ETA: 15 min
Weather Bonus Applied 🌧️
- ₹20 Rider Incentive

Confirm Booking

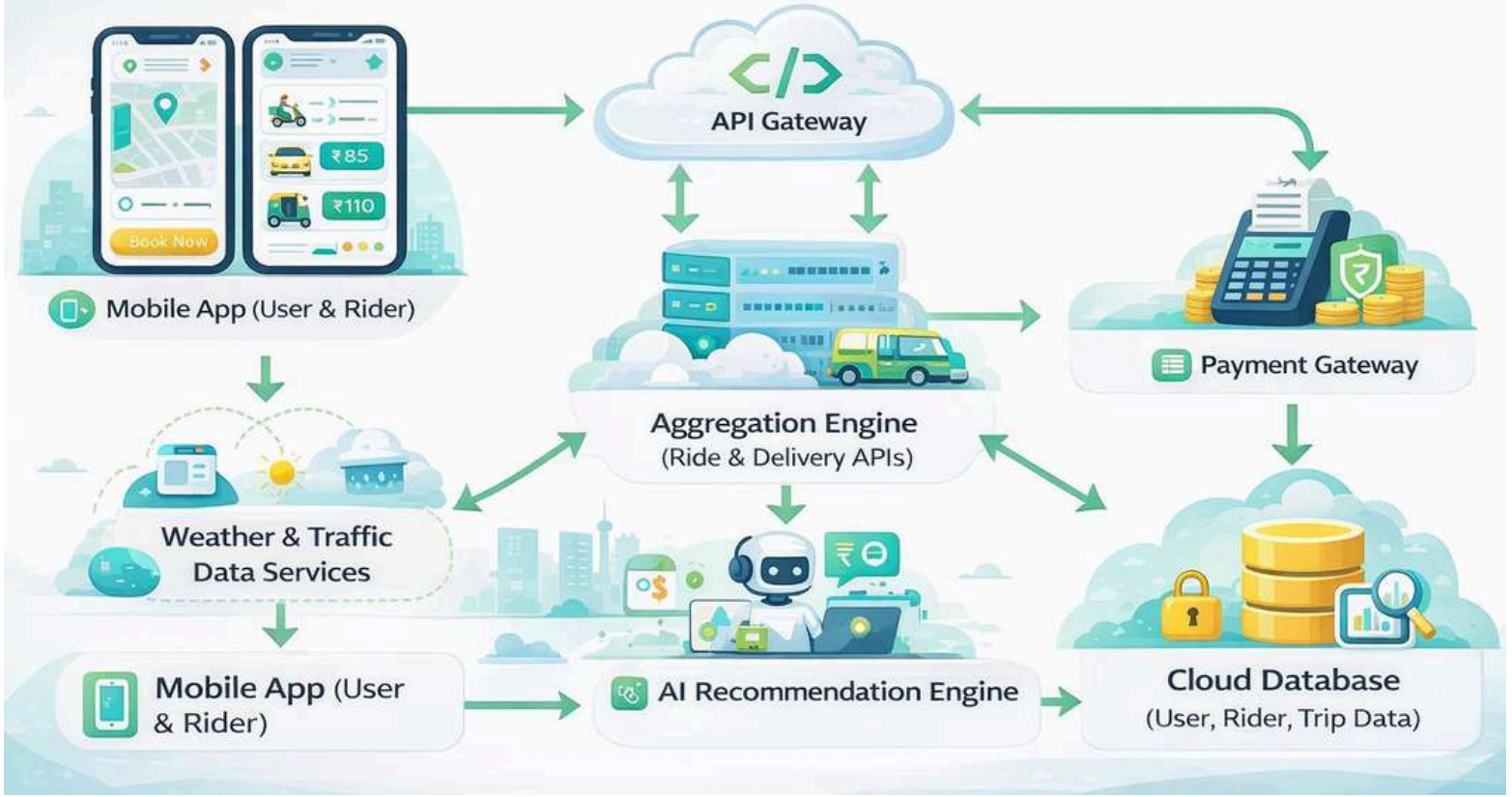
Screen 4 – Booking Confirmation
Booking Confirmed ✅
Rider Assigned
Live Tracking 🗺️
Payment Successful

Screen 5 – Delivery Mode
📦 Parcel Delivery
🍔 Food Delivery
🛒 Local Store Delivery
Select Service

Screen 6 – Vehicle Selection
🛵 Bike
🚕 Cab
🚐 Auto
Choose Vehicle Type

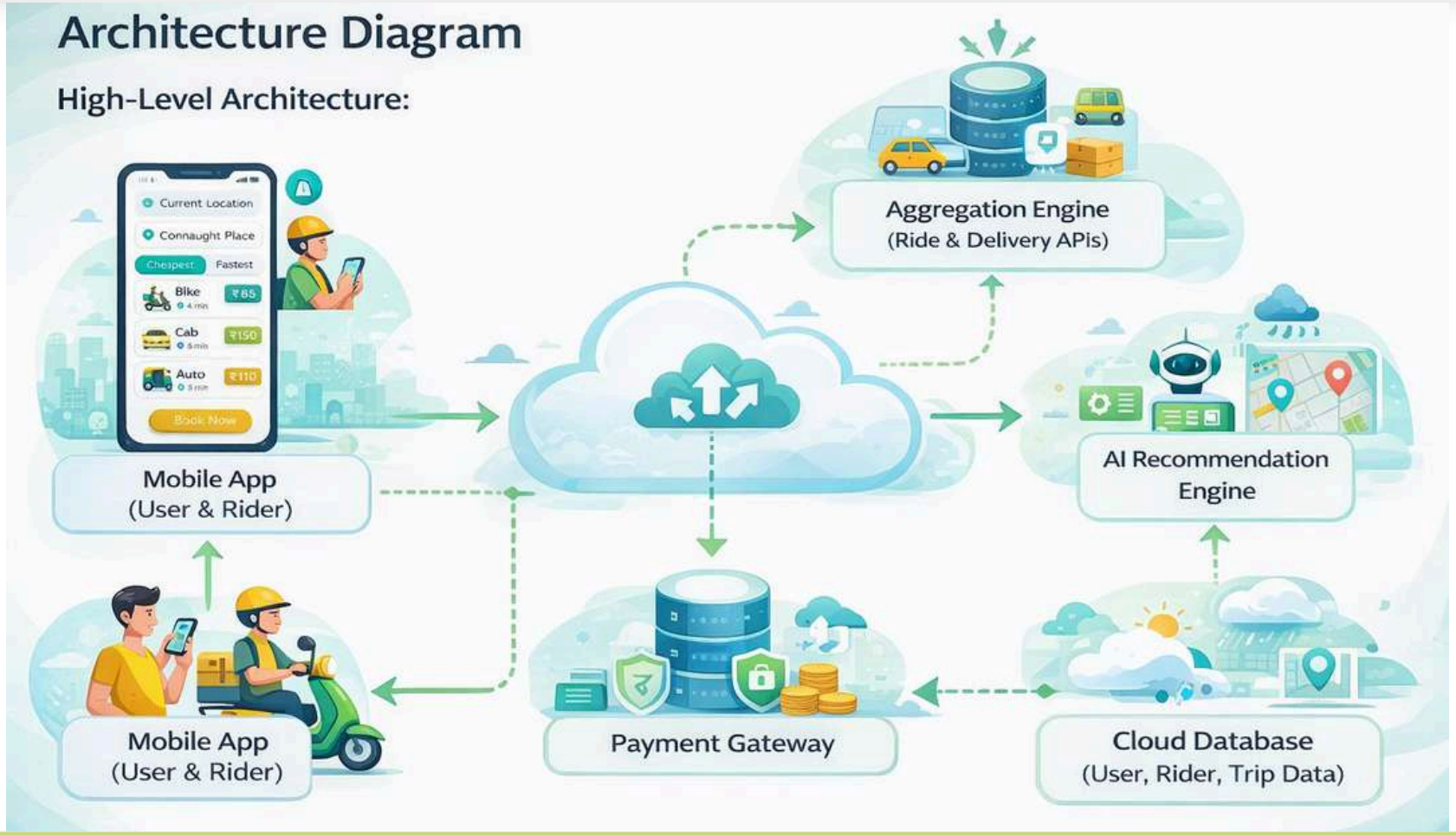
Architecture Diagram

High-Level Architecture:



Architecture Diagram

High-Level Architecture:



Technologies to Be Used

High-Level Architecture:

Frontend: Flutter / React Native

Backend: Node.js / Python (FastAPI)

AI & ML: Price optimization, ETA prediction models

Cloud: AWS (EC2, Lambda, RDS, S3)

Maps & Traffic: Google Maps / OpenStreetMap APIs

Weather Data: Real-time weather APIs

Payments: UPI & digital payment gateways

Estimated implementation cost (optional):

COMPONENT	COST
APP DEVLOPMENT	₹2,00,000
BACKAND & API'S	₹1,00,000
AI & Data Processing	₹80,000
Cloud Infrastructure (AWS)	₹30,000 / month
Maps & Weather APIs	₹20,000 / month

Add as per the requirements for the hackathon:

- Affordable mobility, fair wages, efficiency
- Scalable for Tier-2 and Tier-3 cities
- Promotes digital inclusion for riders
- Supports sustainable and optimized urban transport

Innovation partner H2S | Media partner YOURSTORY

AI for Bharat Hackathon

Powered by aws

Thank You