



PRESENTS



# CODE VERSE HACKATHON 2025

- **Problem Statement Title** : *Adaptive Travel Itinerary System: Real-Time Dynamic Adjustments Based on Live Events and User Feedback.*
- **Team Name** : *CodeX4*
- **Team Members** : *Jayesh Khandelwal, Srushti Panara, Mugdha Phalak, Tanmay Pokale*

# Adaptive Travel Planning with AI & Live Data



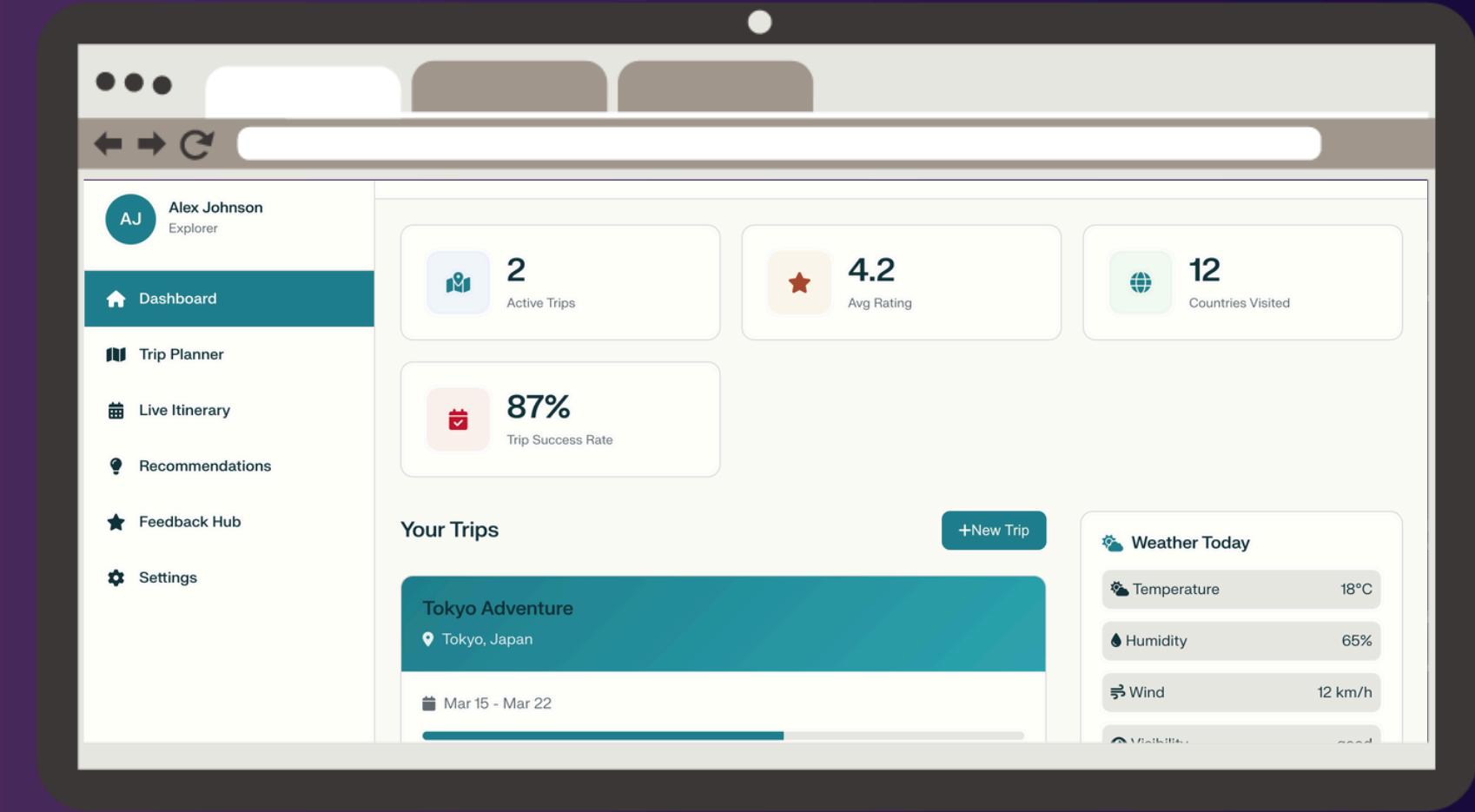
*Real-time adaptive itinerary system  
Integrates weather, traffic & event APIs  
AI + user feedback loop for personalization  
Instant rescheduling & alternative suggestions*



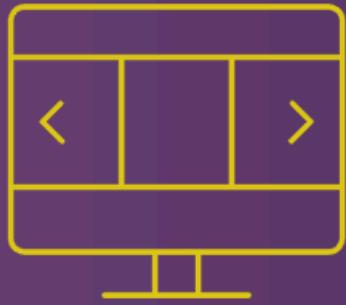
**How It Addresses the Problem**  
*Reacts to sudden changes (weather, traffic, cancellations)  
Saves travelers time, energy & stress  
Learns preferences and adapts automatically*



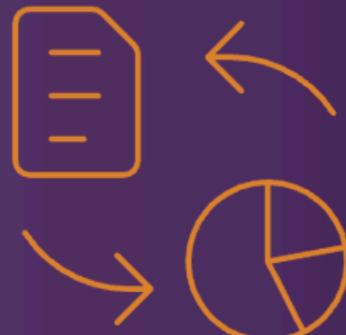
**Innovation & Uniqueness**  
*Dynamic rescheduling engine (vs. static apps)  
Multi-API integration for real-time accuracy  
AI-powered personalization that improves with use  
Traveler-first design for stress-free experience*



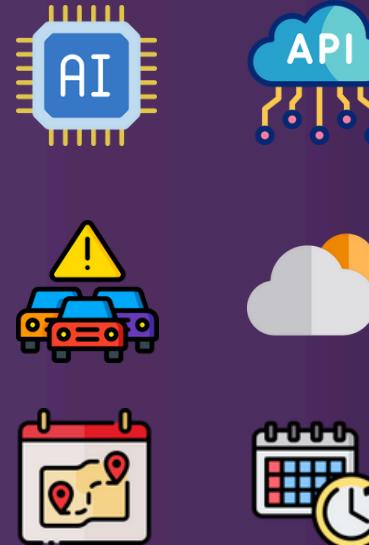
# TECHNICAL APPROACH



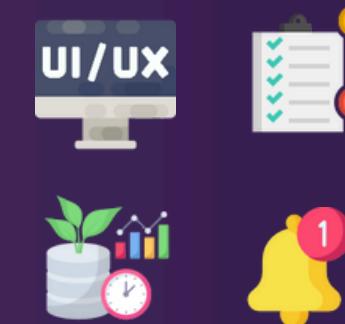
## Technologies



## Methodology



## Frontend Interface



## Testing & Scaling



# FEASIBILITY



## APIs Ready-to-Use

Weather, traffic, and events data are already available.



## Scalable Architecture

Cloud + microservices ensure smooth handling of real-time data.



## Beginner-Friendly Build

Hackathon-ready with modular design.



## Real-time Data Accuracy

Risk of incorrect inputs.



## User Adoption & Trust

Users may hesitate at first.



## Balancing Preferences

Matching user desires with live options.

# VIABILITY



## Trusted APIs

Official weather and event services ensure reliability.



## Transparency & Security

Clear onboarding and data privacy compliance.



## Smart AI Ranking

Machine learning prioritizes best-fit activities instantly.



## Market Fit

Travel agencies can upsell and gain competitive advantage.



# IMPACT AND BENEFITS

## FOR TRAVELERS

Personalized and seamless experience.

Stress free travel with real-time updates.

Time and energy savings by avoiding unexpected delays.

## FOR TRAVEL AGENCIES

Increased customer satisfaction through personalized service.

Better utilization of services and resources.

Opportunities for upselling based on user behaviour.