



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



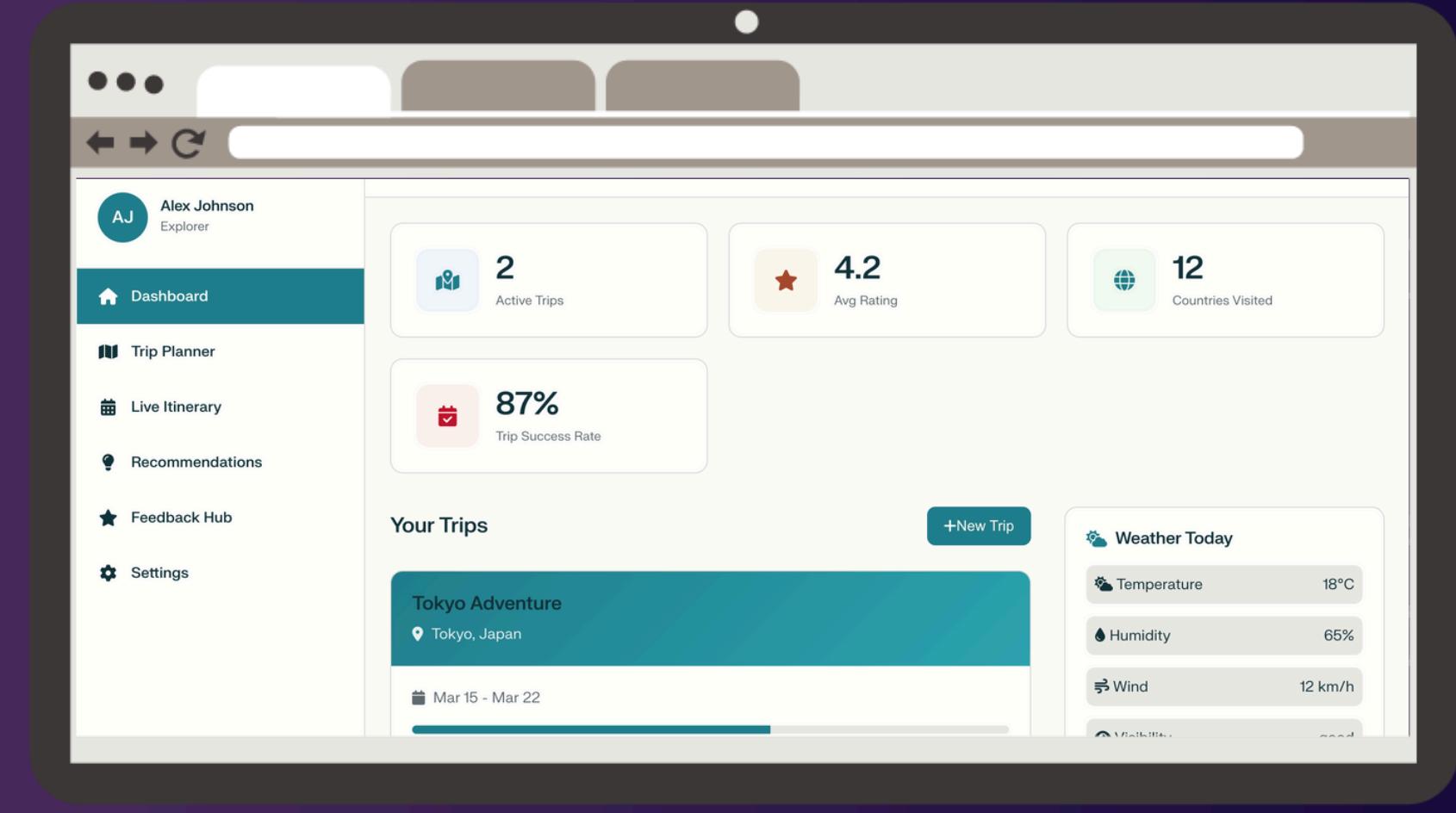
*Real-time adaptive itinerary system
Integrates weather, traffic & event APIs
AI + user feedback loop for personalization
Instant rescheduling & alternative suggestions*



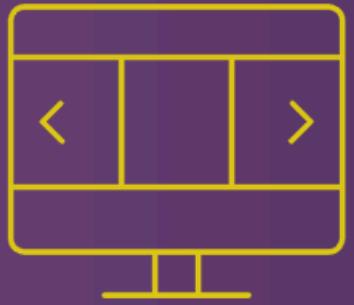
How It Addresses the Problem
*Reacts to sudden changes (weather, traffic, cancellations)
Saves travelers time, energy & stress
Learns preferences and adapts automatically*



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*



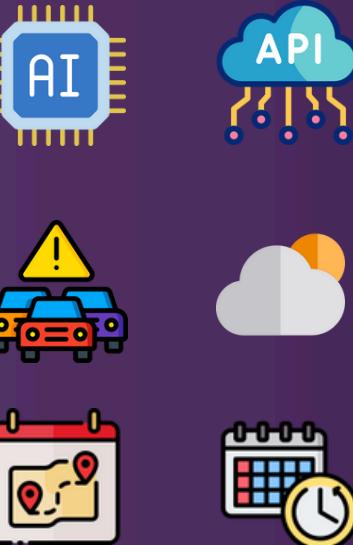
TECHNICAL APPROACH



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.