TRAVEL.J PROJECT.

Q1. Explain Your Travel.J Project in brief?

Ans1🡪 This is a travel planner app built with the MERN Stack + AI integration. The idea is that a user can create a trip, choose performances like budget ,no of travellers and destination and the app will generate recommendations for hotels, places to visit and a structured itinerary. It’s Like an AI-Powered Personal tour Guide.

.I used react(with vite) for frontend and firebase for authentication and storage,and google AI API for trip recommendations. The app also has seprate pages for creating a trip ,Viewing all recent trips and checking detailed info about a specific trip.

Q2.What problem does your project solve?

Ans2🡪People wastes a lot of time planning trips, searching hotels, places and routes. My app automates this problem You just enter your trip details and it generates Personalized itenaries using AI. It saves time and gives us a structured plan.

Q3. Why do you firebase here?

Ans3🡪I needed quick authentication and a way to store user data securely. Firebase provided me googleAuth + firestore. So I didn’t waste time in building a custom auth system.

Q4.How do you manage State across Pages?

Ans4🡪For Local UI State I just used react hooks like useState and useEffect. For cross page like user-info page , I used firebase auth listener and passed data as props where needed Since app is not very large yet , I didn’t used redux in it.

Q5. How do you fetch and display AI trip data?

Ans5🡪I Created a seprate Api service file(GlobalApi.jsx) to keep my api calls clean. The frontend sends the trip details ,the backend Ai processes them ans render reponses as Hotels and view trip cards in view trip component.

Q6. What challenges did you face in the project?

Ans6🡪.Dynamic Routing->Implementing [tripID] was tricky at first. I had to learn how to grab route params and fetch the right trip data.

.Firebase Errors->Sometimes saving undefined fields cause firestore errors. I had to add validation before saving .

.AI Intergration->Getting structured data back from aI and (not just plain text) took some trials and errors with prompts.

Q7.If you would have more time what would you improve?

Ans7🡪I’d add user specific dashboards ,trip sharing with friends etc.