

Crypto Dashboard Project – Ek Kahani

Ye kahani shuru hoti hai ek student se jo sirf React seekh raha tha.
Usne socha ki sirf theory se kaam nahi chalega, ek real-world project banana padega.

Is tarah janam hua Crypto Dashboard ka.

Sabse pehle React ka use karke ek basic structure banaya gaya.
App component ke andar routing set ki gayi, jisse alag-alag pages ban sake.
React Router ka use karke Home page aur Coin Detail page create kiya gaya.

Home page par CoinGecko API ko call kiya gaya.
API endpoint se live cryptocurrency market data fetch kiya gaya.
useEffect ka use karke component load hote hi API call hui.
Jo data mila use useState me store kiya gaya.

Phir map() function ka use karke har coin ko screen par show kiya gaya.
Har coin ke liye ek reusable CoinCard component banaya gaya.
Is component me price, market cap aur 24h change percentage dikhaya gaya.

Search functionality add karne ke liye ek alag state banayi gayi.
Filter method ka use karke coins ko search input ke hisaab se filter kiya gaya.

Coin par click karne par dynamic routing ke through uska detail page khulta hai.
useParams ka use karke coin ki id nikali gayi aur phir us specific coin ki detail API se fetch ki gayi.

Styling ke liye Tailwind CSS ka use kiya gaya.
Utility classes ki madad se modern dark theme UI banayi gayi.
Cards, spacing, colors aur responsive layout sab Tailwind se design hua.

Is project me kaun-kaun si technologies use hui:

1. React.js – UI banane ke liye
2. React Router – Page navigation ke liye

3. CoinGecko API – Live crypto data ke liye
4. Tailwind CSS – Styling ke liye
5. JavaScript ES6 – Logic aur filtering ke liye

Data flow kuch is prakar tha:

API se data aaya → state me store hua → map() se render hua → UI update hui.

Is project ka real use case hai:

Crypto investors ko live market data dikhana.

Fintech dashboard ka base banana.

Portfolio tracking system develop karna.

Is project se student ne seekha:

API integration,

State management,

Dynamic routing,

Component architecture,

Filtering logic,

Aur real-world frontend structure.

Yeh sirf ek project nahi tha.

Yeh ek beginner se developer banne ki journey thi.

Aur is tarah ek simple idea se ek professional frontend project taiyaar hua.