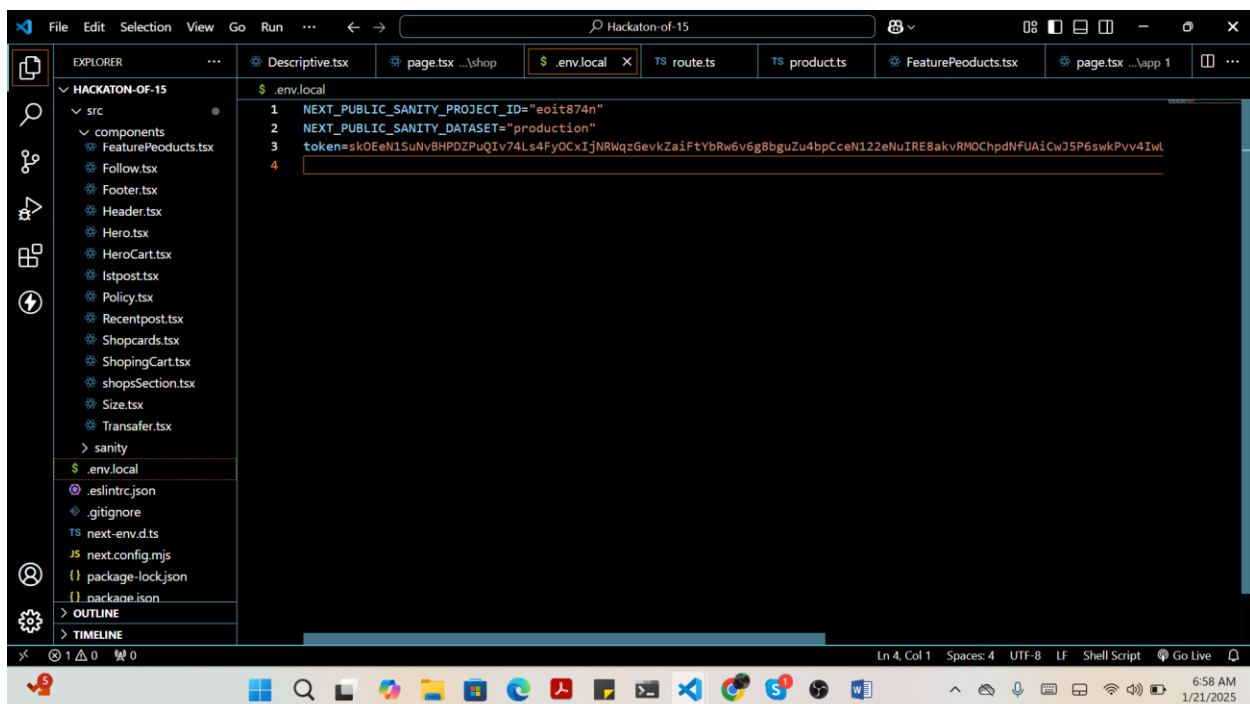


Day-3 API INTEGRATION AND DATA MIAGRATION (GENERAL E-COMMERCE)

1. Installation of Sanity

- I installed sanity into my UX-UI Hackathon
- Got API key from Sanity dashboard
- Set it into env.local



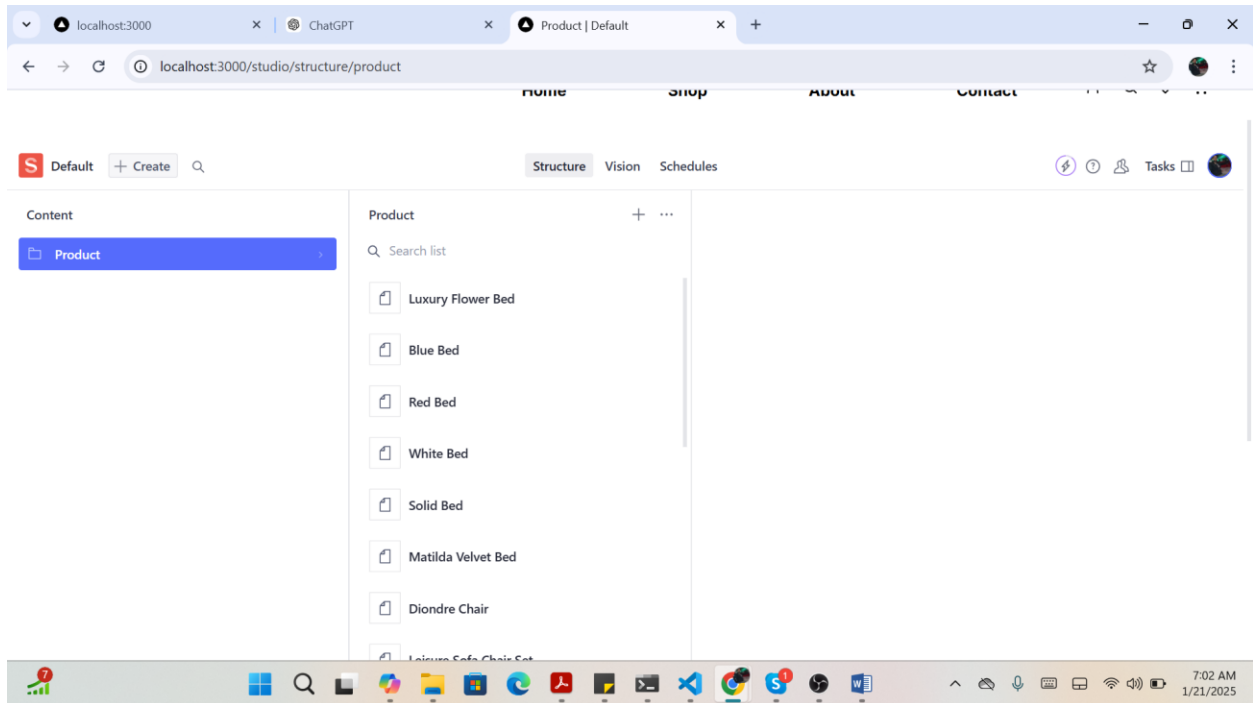
The screenshot shows a Visual Studio Code editor window with the file explorer on the left and the code editor on the right. The file explorer shows a project named 'HACKATON-OF-15' with a 'src' directory containing various components and a 'sanity' directory. The code editor displays the contents of the '.env.local' file, which is configured with the following values:

```
1 NEXT_PUBLIC_SANITY_PROJECT_ID="e0it874n"  
2 NEXT_PUBLIC_SANITY_DATASET="production"  
3 token=skOEeN1SuNvBHPDZPuQIv74Ls4FyOCxIjNRWqzGevkZaifTtYbRw6v6g8guZu4bpCceN122eNuIRE8akvRMOChpdNFUAiCwJ5P6swkPvv4Iwl  
4
```

The status bar at the bottom indicates the current file is 'Ln 4, Col 1' with 'Spaces: 4' and 'UTF-8' encoding. The system tray shows the time as 6:58 AM on 1/21/2025.

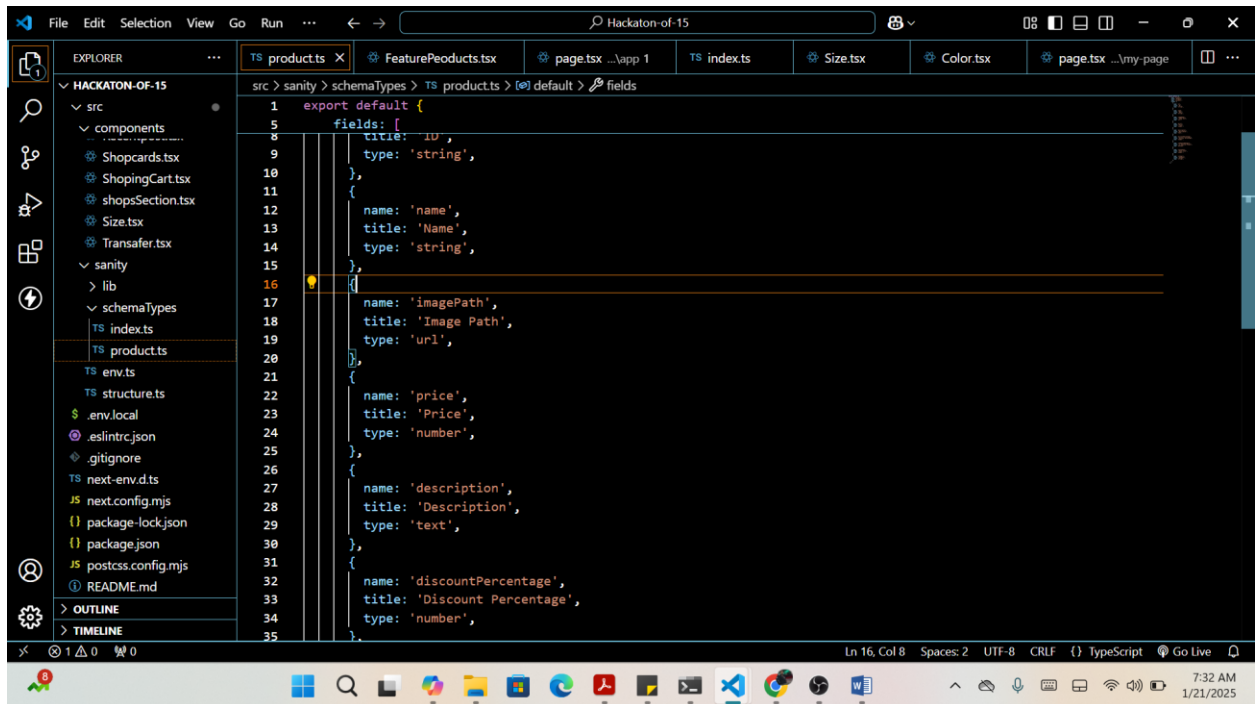
2. Data migration into Sanity

- I manually migrated data into Sanity not used migration script.



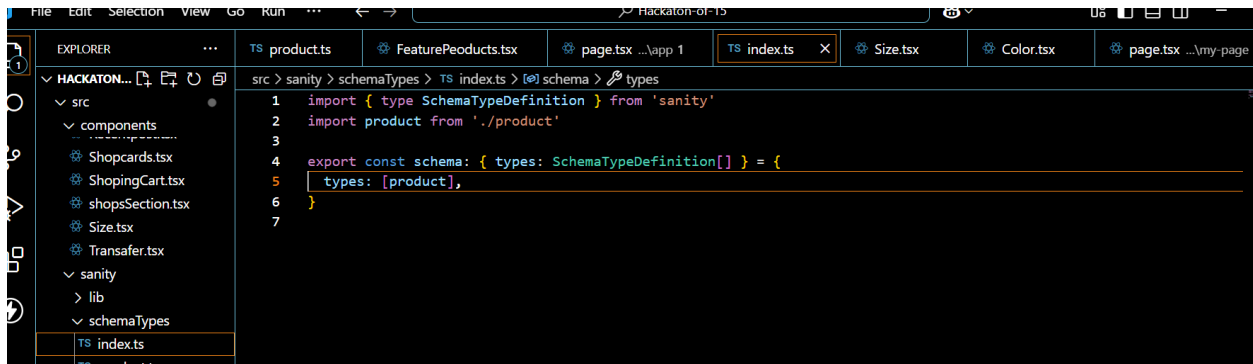
3. Defining schema in product.ts

- I defined schema in product.ts



4. Importing product.ts into index.ts

- Then, I imported schema into index.ts.

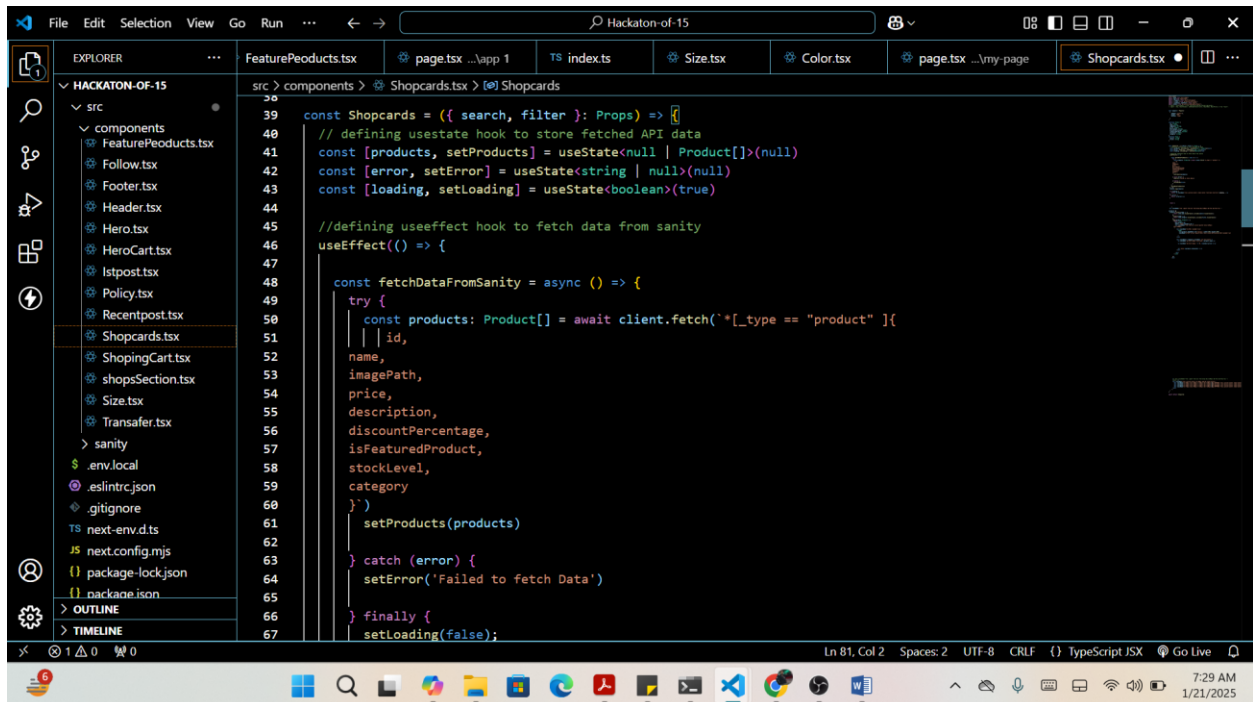


The screenshot shows the VS Code editor with the Explorer sidebar on the left. The Explorer shows a project structure with folders 'src', 'components', 'sanity', and 'lib'. Under 'src', there is a file 'index.ts' which is selected. The main editor area shows the content of 'index.ts' with the following code:

```
1 import { type SchemaTypeDefinition } from 'sanity'
2 import product from './product'
3
4 export const schema: { types: SchemaTypeDefinition[] } = {
5   types: [product],
6 }
7
```

5. Fetched data from Sanity through GROQ.

- Then, I fetched data from Sanity to my frontend to display products.



The screenshot shows the VS Code editor with the Explorer sidebar on the left. The Explorer shows a project structure with folders 'src', 'components', 'sanity', and 'lib'. Under 'src', there is a file 'Shopcards.tsx' which is selected. The main editor area shows the content of 'Shopcards.tsx' with the following code:

```
39 const Shopcards = ({ search, filter }: Props) => {
40   // defining usestate hook to store fetched API data
41   const [products, setProducts] = useState<null | Product[]>(null)
42   const [error, setError] = useState<string | null>(null)
43   const [loading, setLoading] = useState<boolean>(true)
44
45   //defining useeffect hook to fetch data from sanity
46   useEffect(() => {
47
48     const fetchDataFromSanity = async () => {
49       try {
50         const products: Product[] = await client.fetch(`*[_type == "product"] {
51           id,
52           name,
53           imagePath,
54           price,
55           description,
56           discountPercentage,
57           isFeaturedProduct,
58           stockLevel,
59           category
60         }`)
61         setProducts(products)
62       } catch (error) {
63         setError('Failed to fetch Data')
64       } finally {
65         setLoading(false);
66       }
67     }
68   })
69 }
```

6. Displaying data successfully

- Data displayed into my frontend

