

Outer Orbit Travels

Project Info

This project is based on Airbnb made for space travelling. Some of the design cues have been adapted from Airbnb's website and the entire website has been adjusted to make it more relevant to the topic. This includes changing the location names to Star Wars planets and locations inside them.

Technologies used

Here is a quick run-down of all the tech stacks and libraries that were used in the making of this project.

1. **Next.js**

This React framework is the foundation of the project. This is the only thing used for the backend and frontend of the web application

2. **Tailwind css**

The project uses Tailwind css as a styling framework because of its extensive re-usable styles and ease-of-use

3. **Hero Icons**

This library developed by the people at Tailwind was used for all of the icons seen on the project. Eg: The “heart” icon in the search results page

4. **Date-fns**

This library was used for the dates seen all throughout the webpage, including the calendar



5. **React-date-range**

This was the library used for rendering out the calendar and all other info related to it

6. **Bar-of-progress**

This was used for displaying the progress bar on top of the webpage whenever a change in the router path occurs

7. **AWS EC2**

This virtual machine platform was used as the server on which the API for the locations was stored



8. **AWS S3**

This service was used to store the logo image in the cloud bucket for access through next/image.

9. **FastAPI**

This Python library was used in developing the API endpoint for the locations and stays in the home page and /search route.

10. Gunicorn + Caddy2

These Linux services were used for hosting the FastAPI endpoint from the EC2 instance

11. Git + Github

All the source code and version control of the webpage was done using these services

12. Vercel

The frontend of the webpage is hosted on Vercel which pulls the code from the Github repository



13. Canva

This website was used to make the custom logo of the website.

Outline

As mentioned earlier, the idea of the website came from the Airbnb website and I wanted to do something similar to that. Also, being a Star Wars fan, I got the idea of adding planets from the series as locations to travel to.

Setting up the app was pretty basic. The styling of the homepage was a tough challenge as I don't have much experience in Tailwind and Next.js. One major hindrance was the logo.

When the custom logo was made, next/image won't accept it as a file. So I had to set up an AWS S3 bucket where I hosted the image and used a custom NextJs loader to render out the image.

Setting up the calendar was very simple with react-date-range. The search results page was also very basic, employing minimalist Tailwind styling.



GitHub repo: <https://github.com/AbeerRao/orbit-tech-ncrypt>

Hosted URL: <https://orbit-tech-ncrypt.vercel.app/>

Stays API Endpoint: <http://13.232.61.5/stays>

Locations API Endpoint: <http://13.232.61.5/locations>