title: Deployment guide

Modal Environment Setup and Deployment Guide

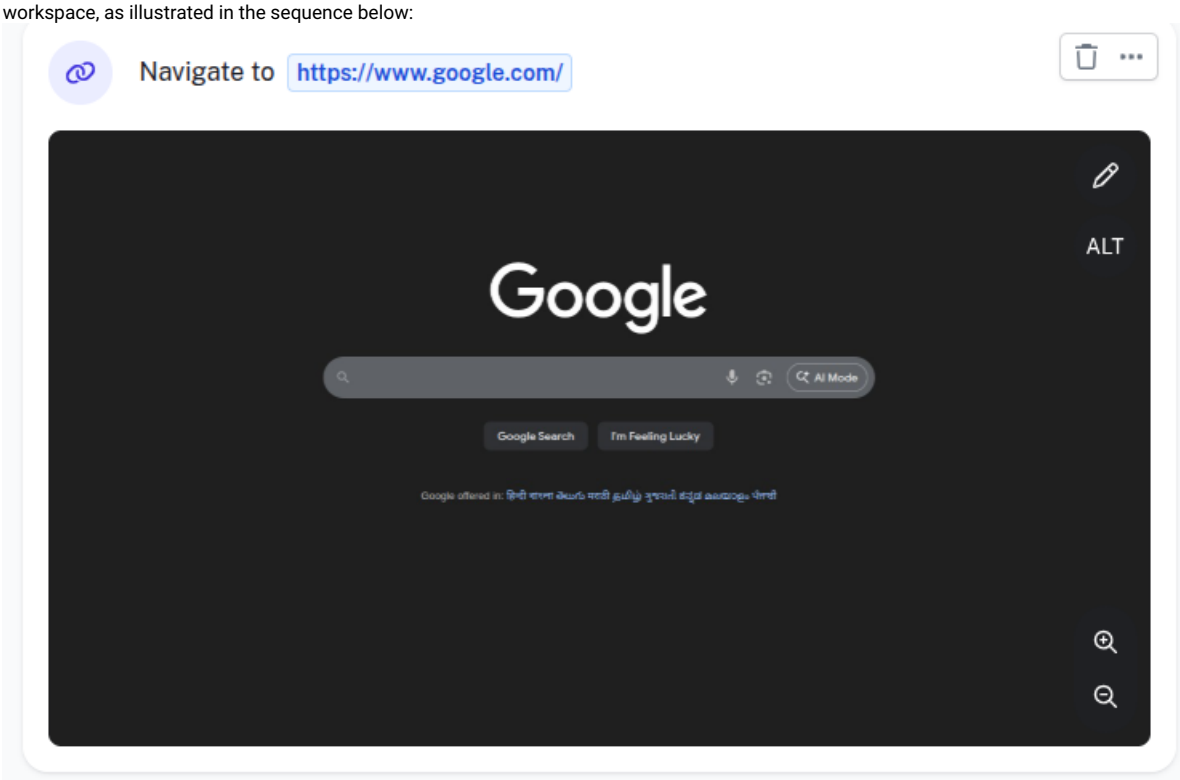
All commands have to be run on bash in same directory as of backend.

Step 1.

Install Dependencies: Begin by installing the necessary project dependencies. Execute the following command in your terminal to install the packages defined in your requirements file: `pip install -r requirements.txt`

Step 2.

Account Registration Navigate to the Modal platform and register for a new account. Follow the sign-up workflow to create your credentials and establish your workspace, as illustrated in the sequence below:



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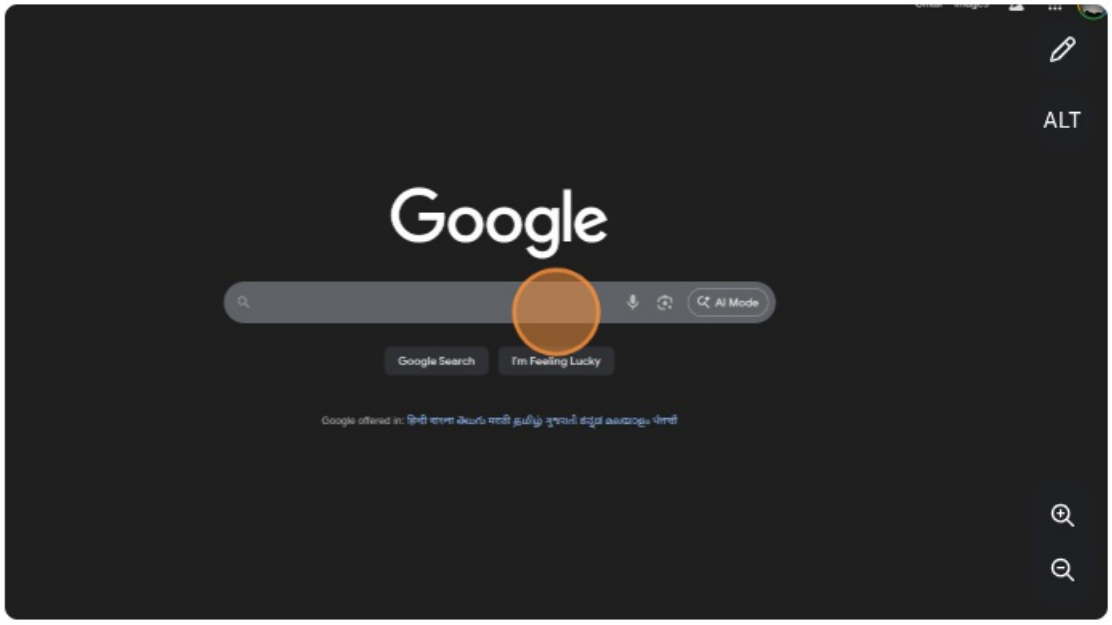

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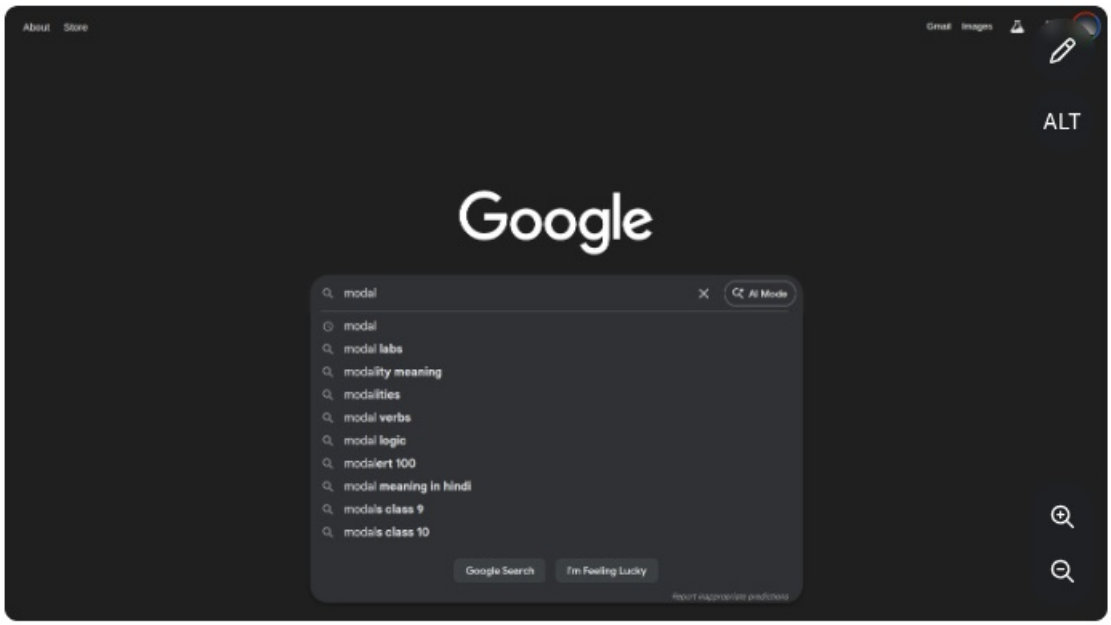

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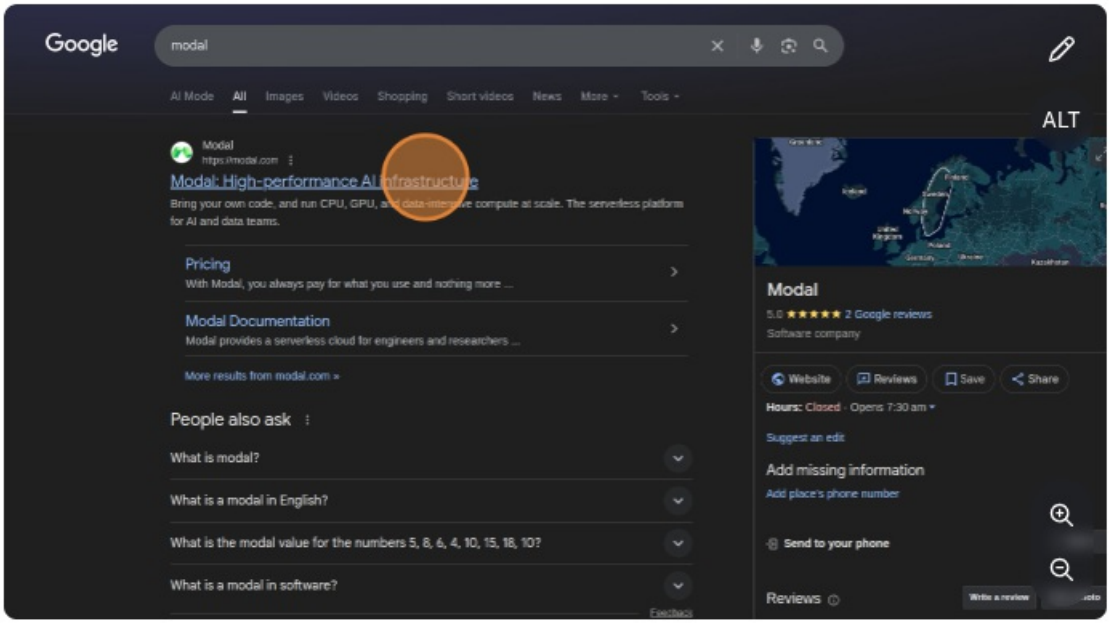

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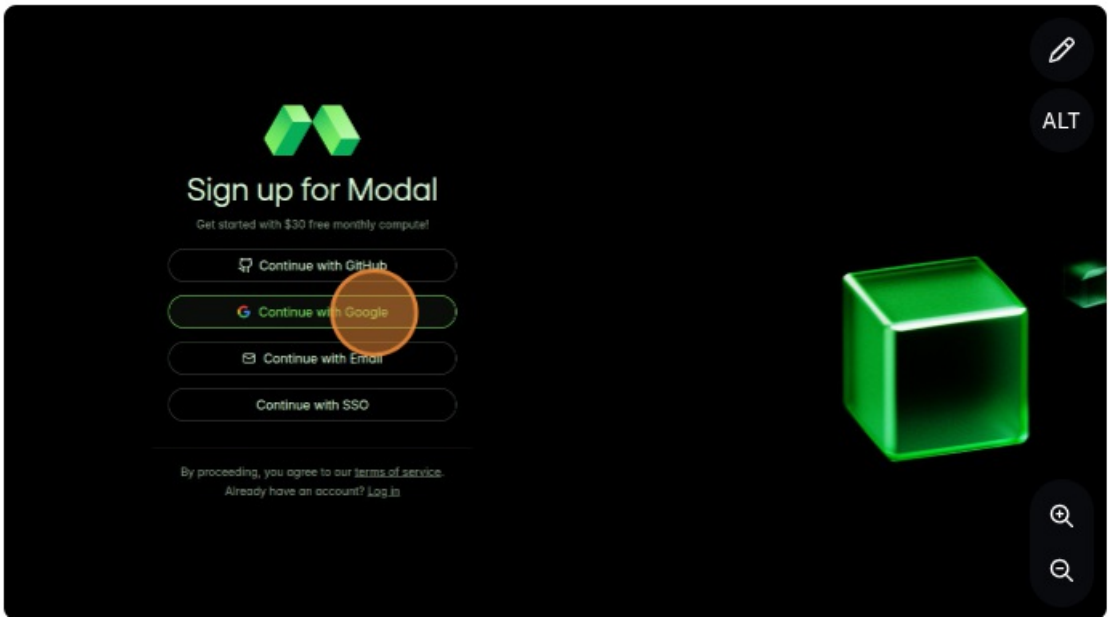

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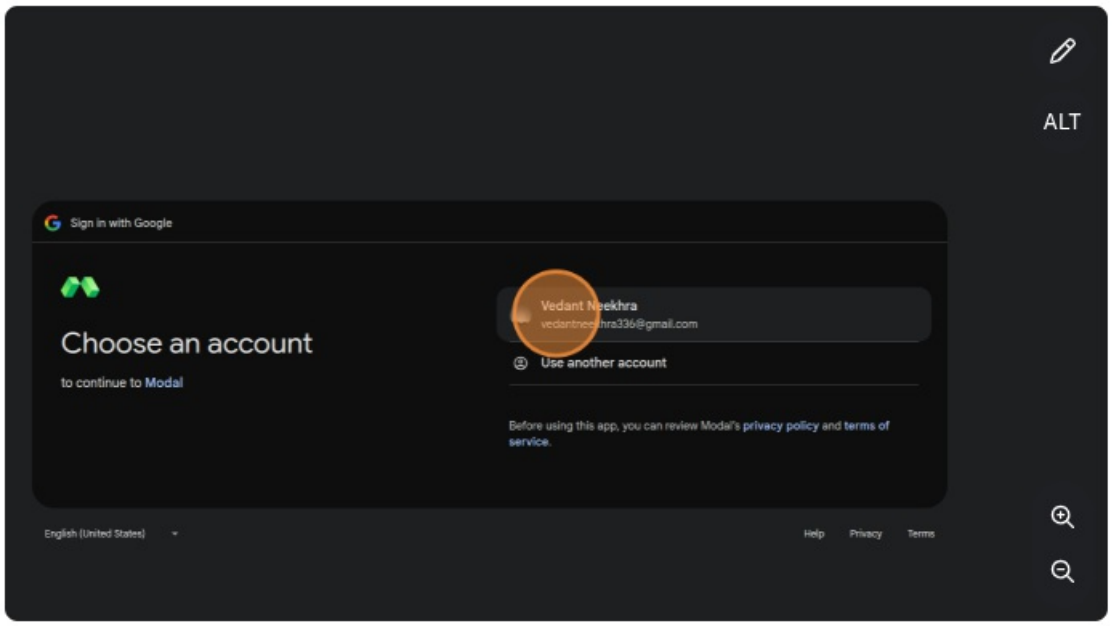

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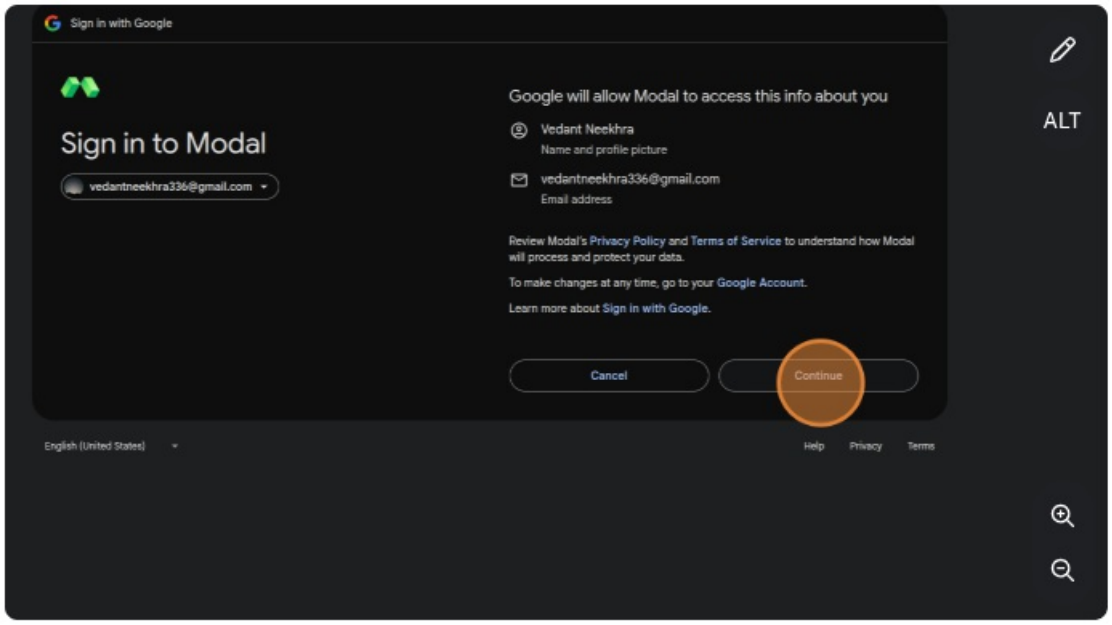

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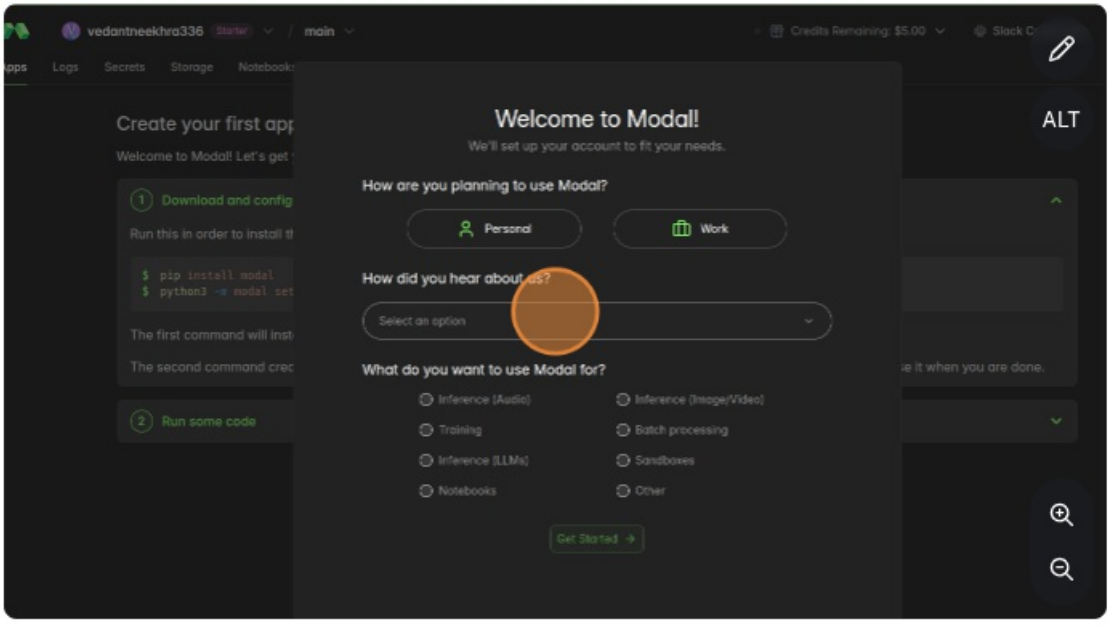

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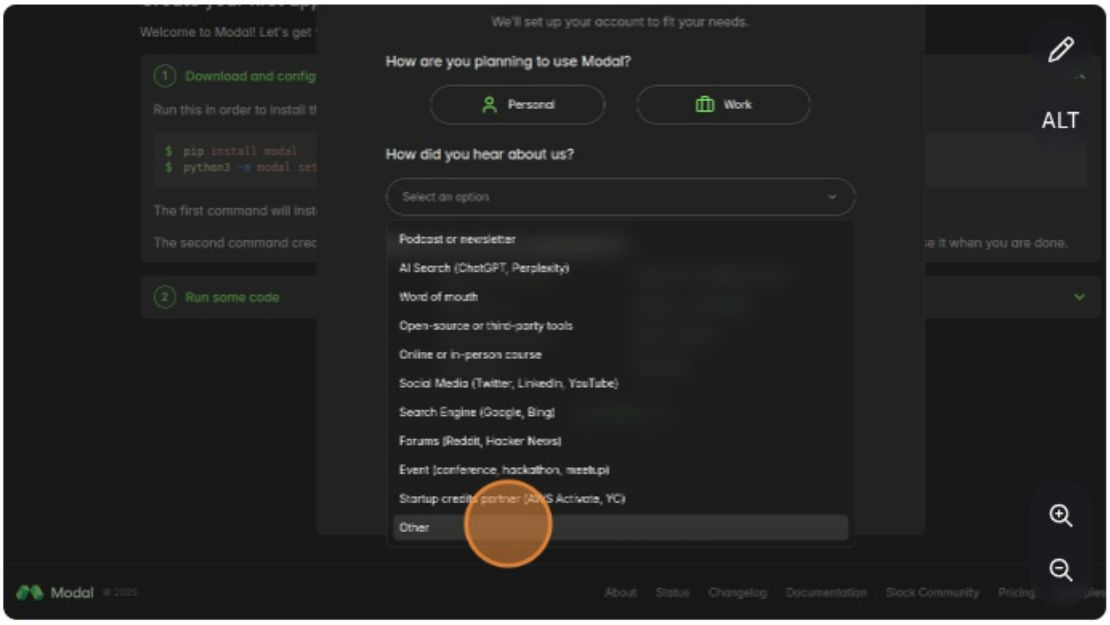

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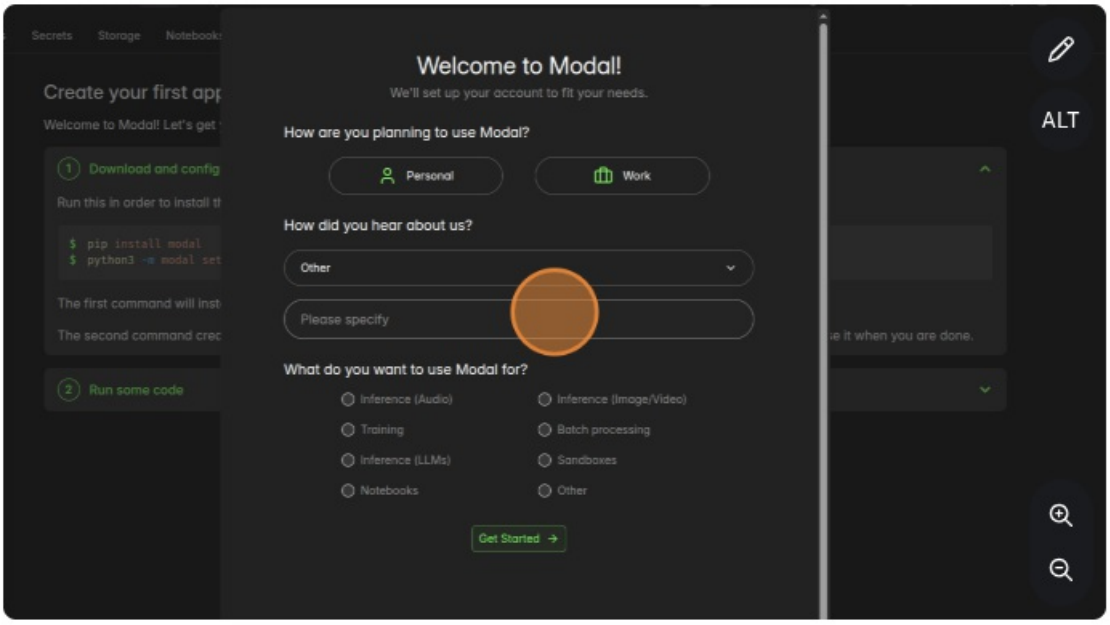

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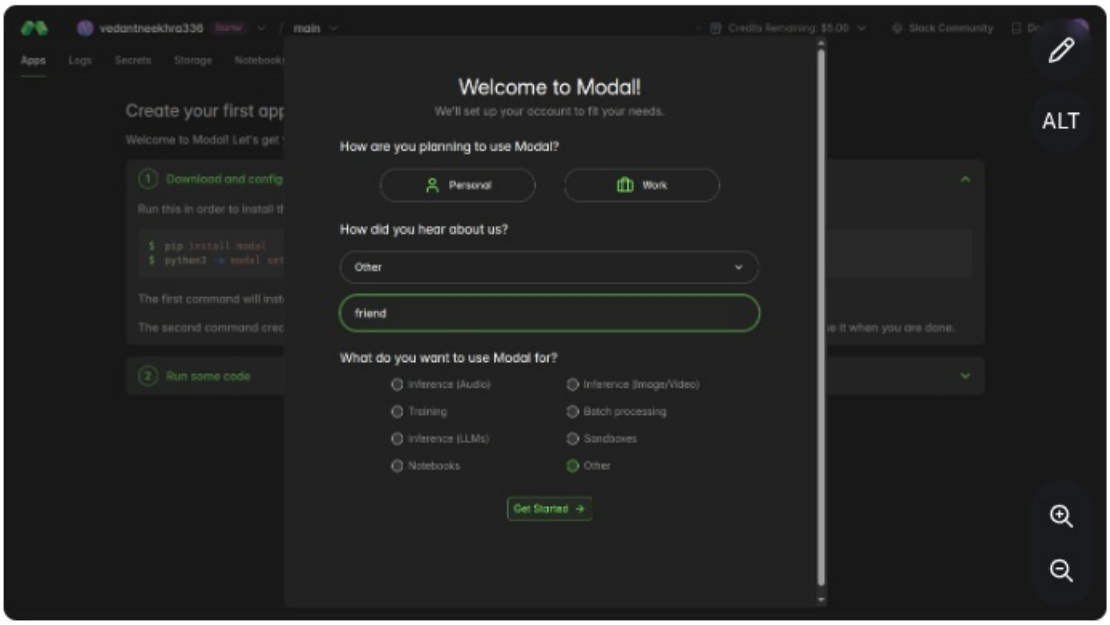

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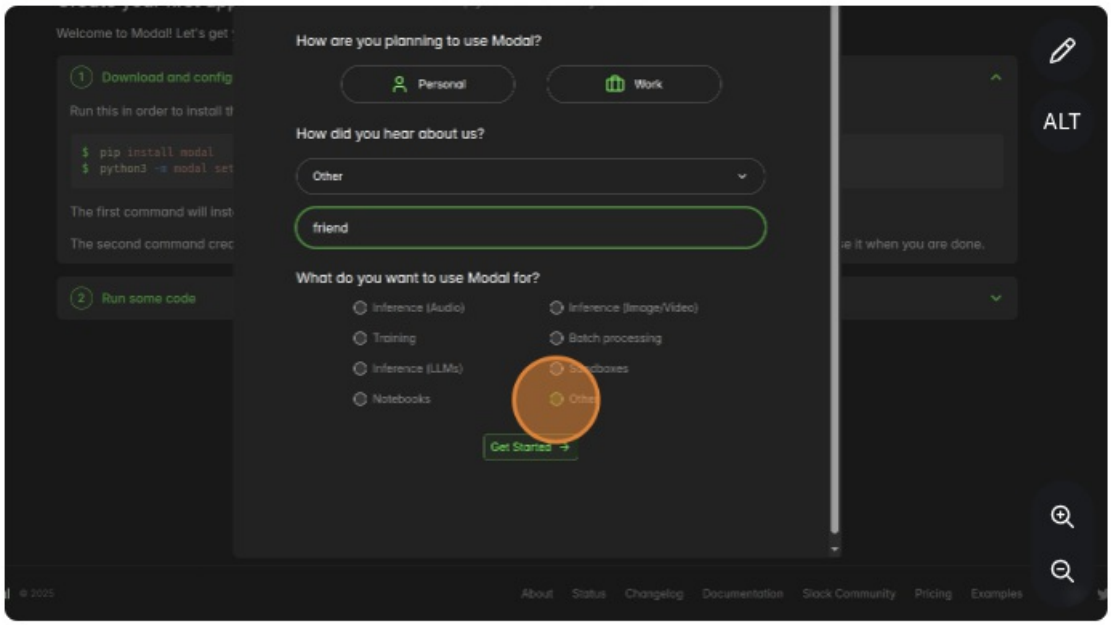

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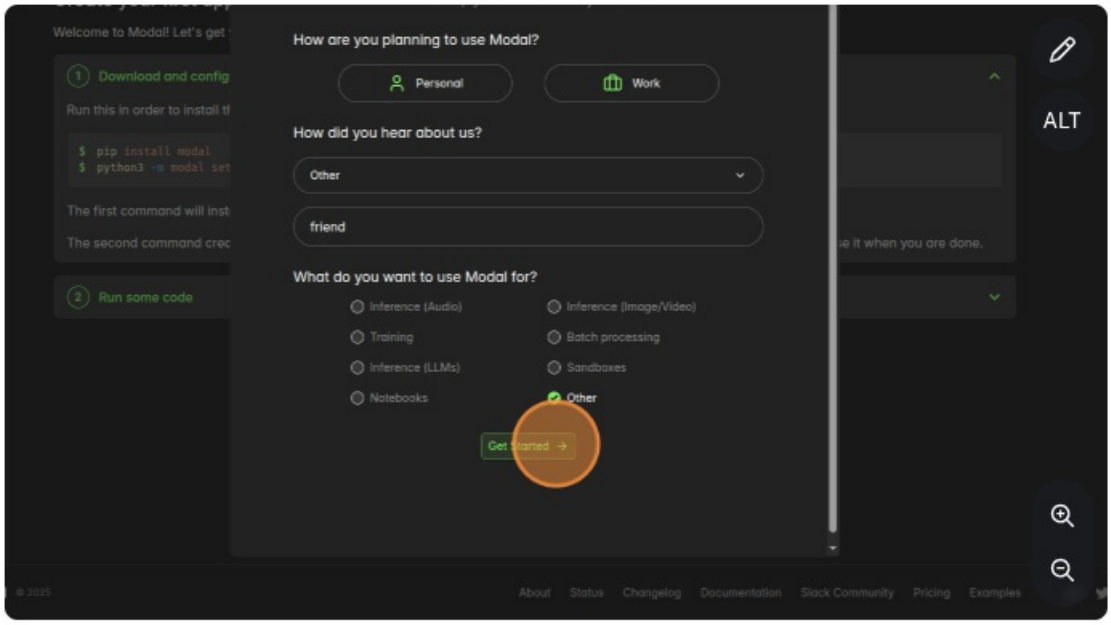
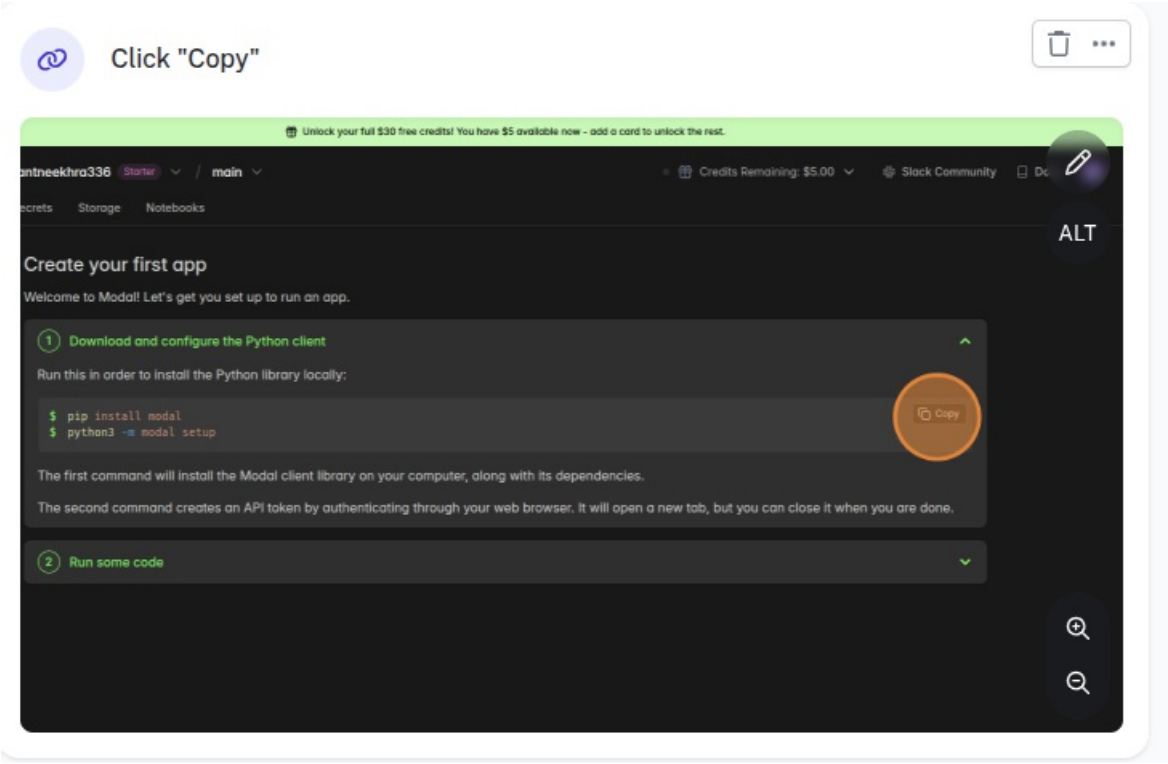




Step 3.

Client Installation and Configuration Install the Modal client library and initiate the setup process to authenticate your local environment with your cloud account. Run the following commands:

```
pip install modal
python -m modal setup
```

Step 4.

The setup command will generate an authentication URL in the terminal. Open this link in your web browser (either by manually copying and pasting it or using Ctrl + Click) to authorize the device.

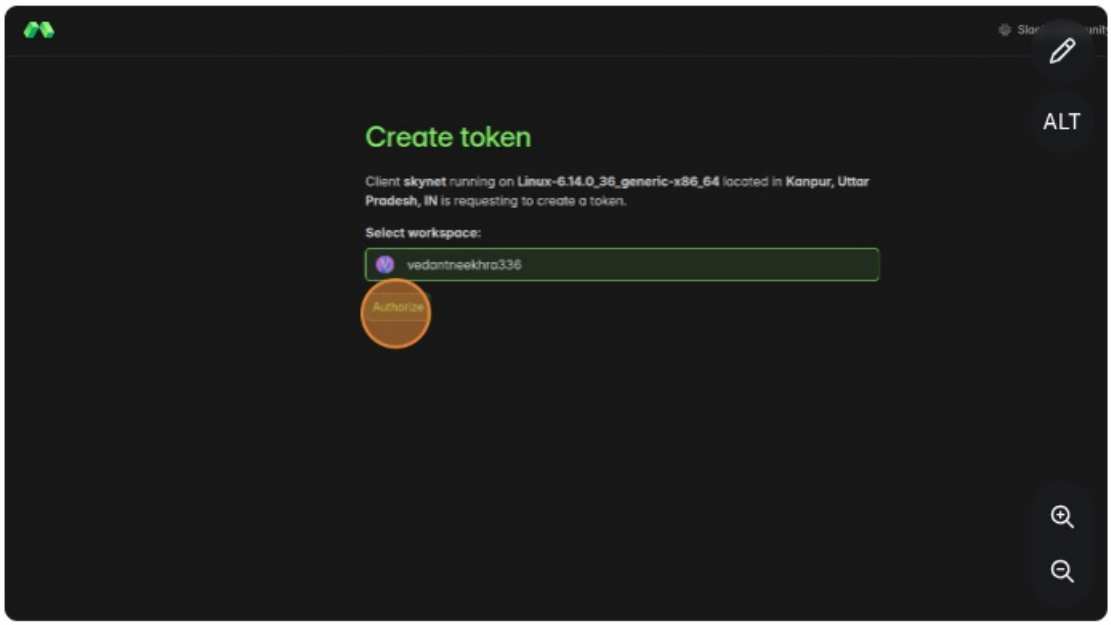
```
Was not able to launch web browser
Please go to this URL manually and complete the flow:

https://modal.com/token-flow/tf-flwAKFeV2SoMG4MMStYcB2

⠹ Waiting for token flow to complete...
```

Copy the link given in the terminal or do CTRL+CLICK

15 Click "Authorize"

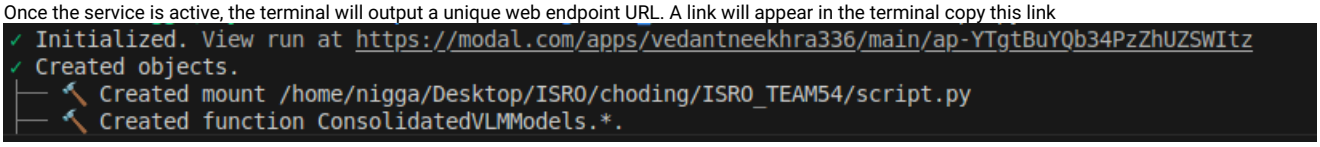


Step 5.

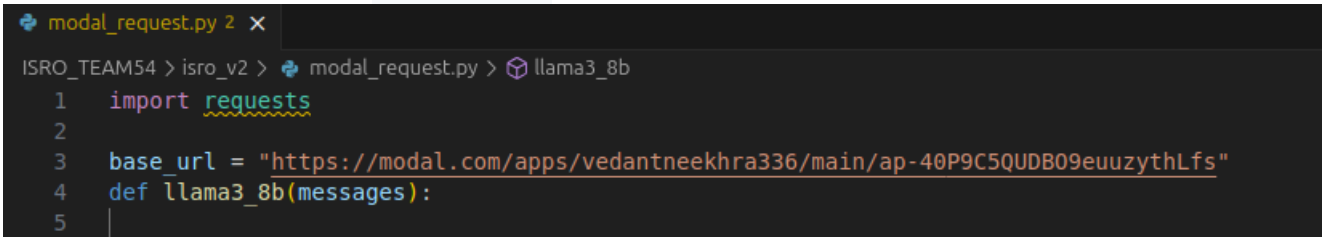
Service Deployment and Endpoint Integration Deploy your script to the Modal cloud environment by executing the serving command:

```
modal serve script.py
```

Once the service is active, the terminal will output a unique web endpoint URL. A link will appear in the terminal copy this link



and paste it to replace the link at the top of `modal_request.py`



Step 7

Now we can run the main python script for backend

```
python backend/main.py
```

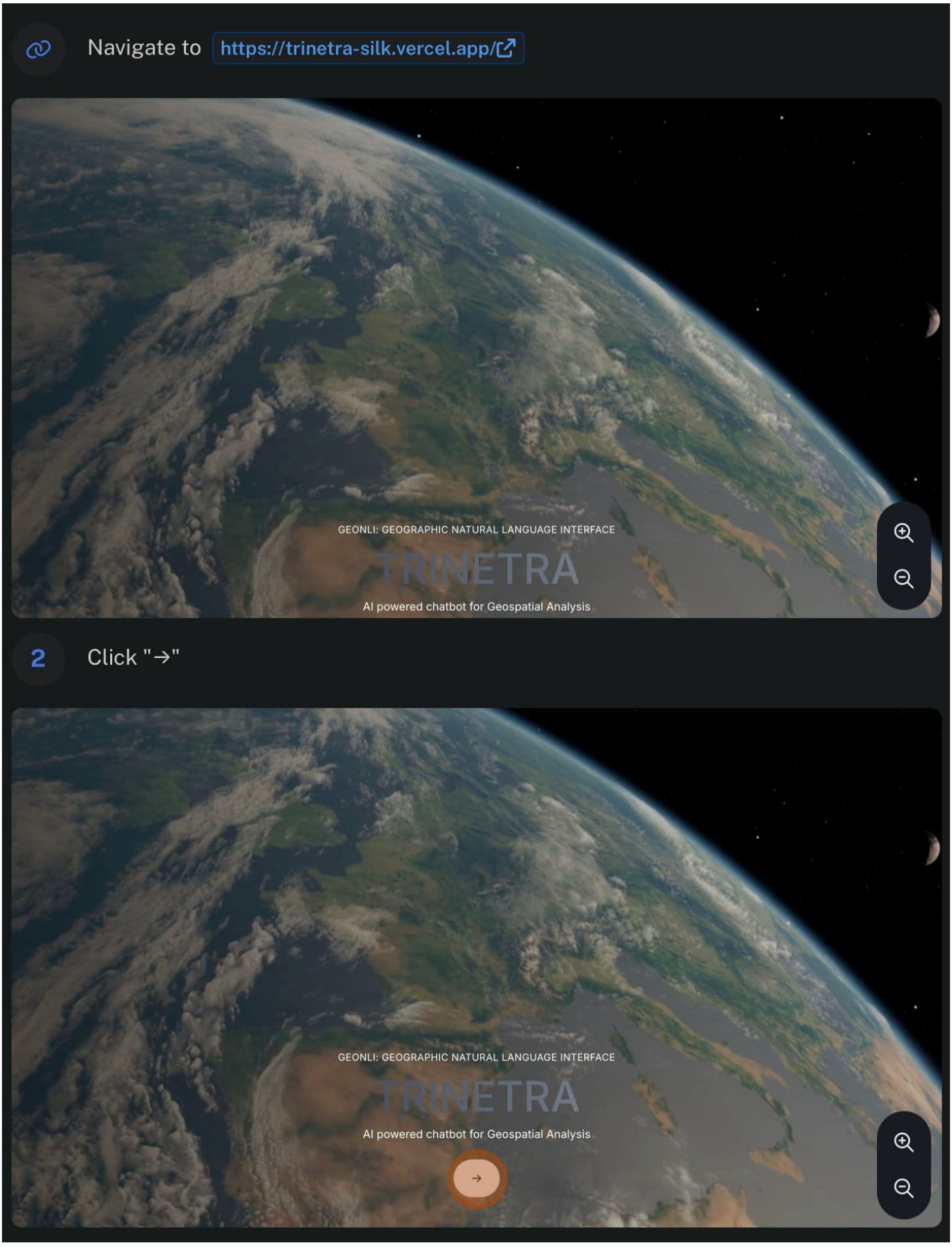
Step 8

Navigate to frontend directory and run the following commands to start the frontend ..

```
npm i
npm run dev
```

This will deploy the local frontend with flask as the backend and modal as our gpu servers.

Website Guide



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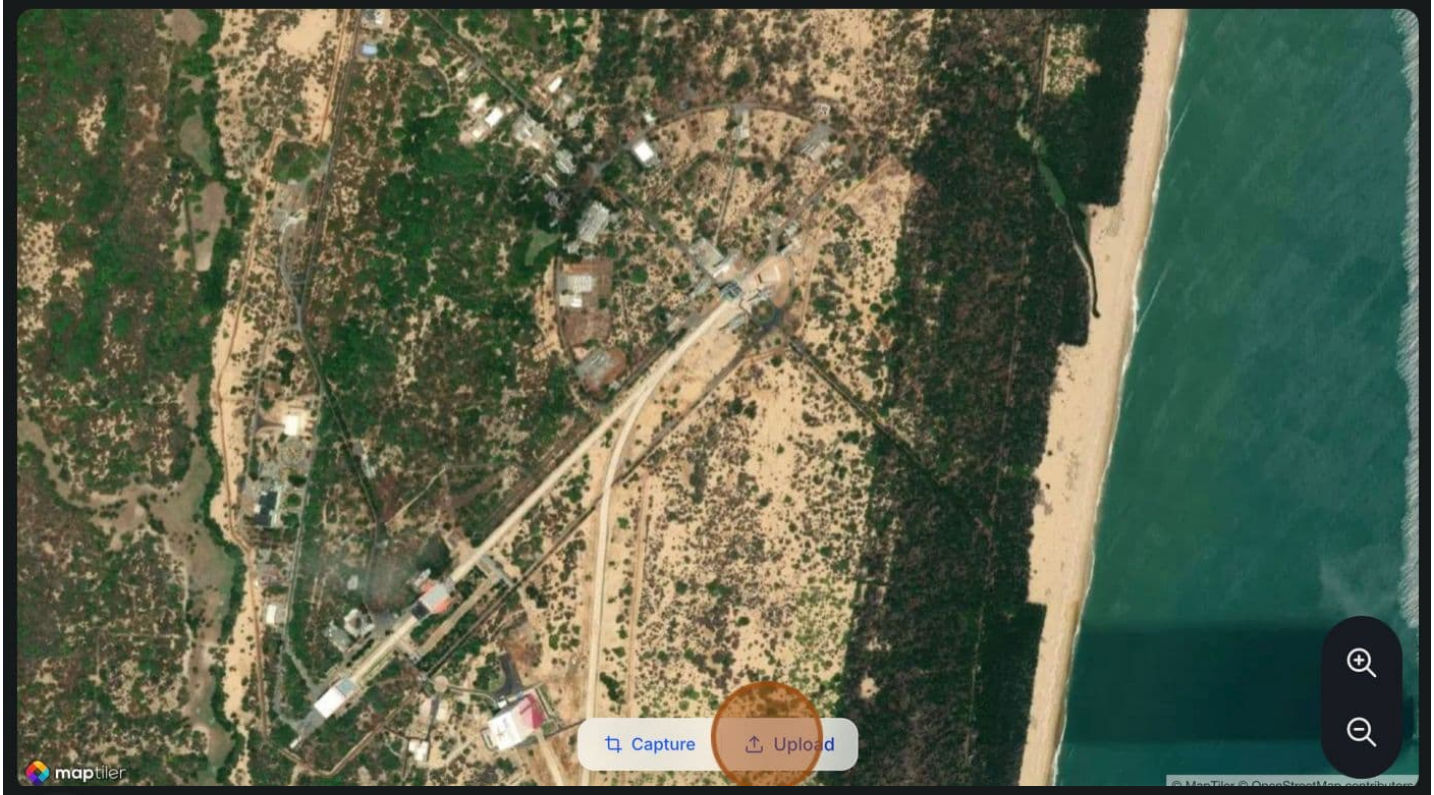

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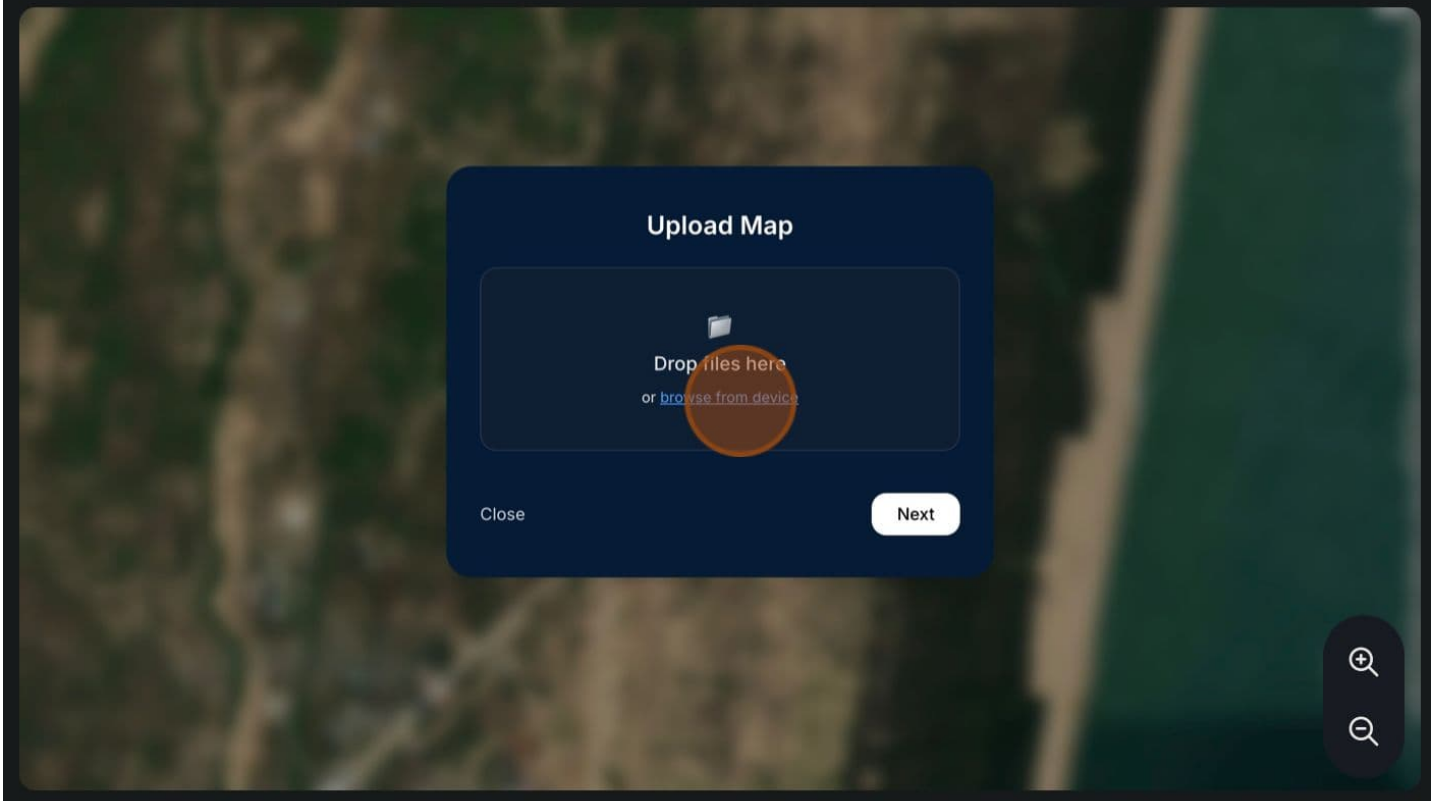

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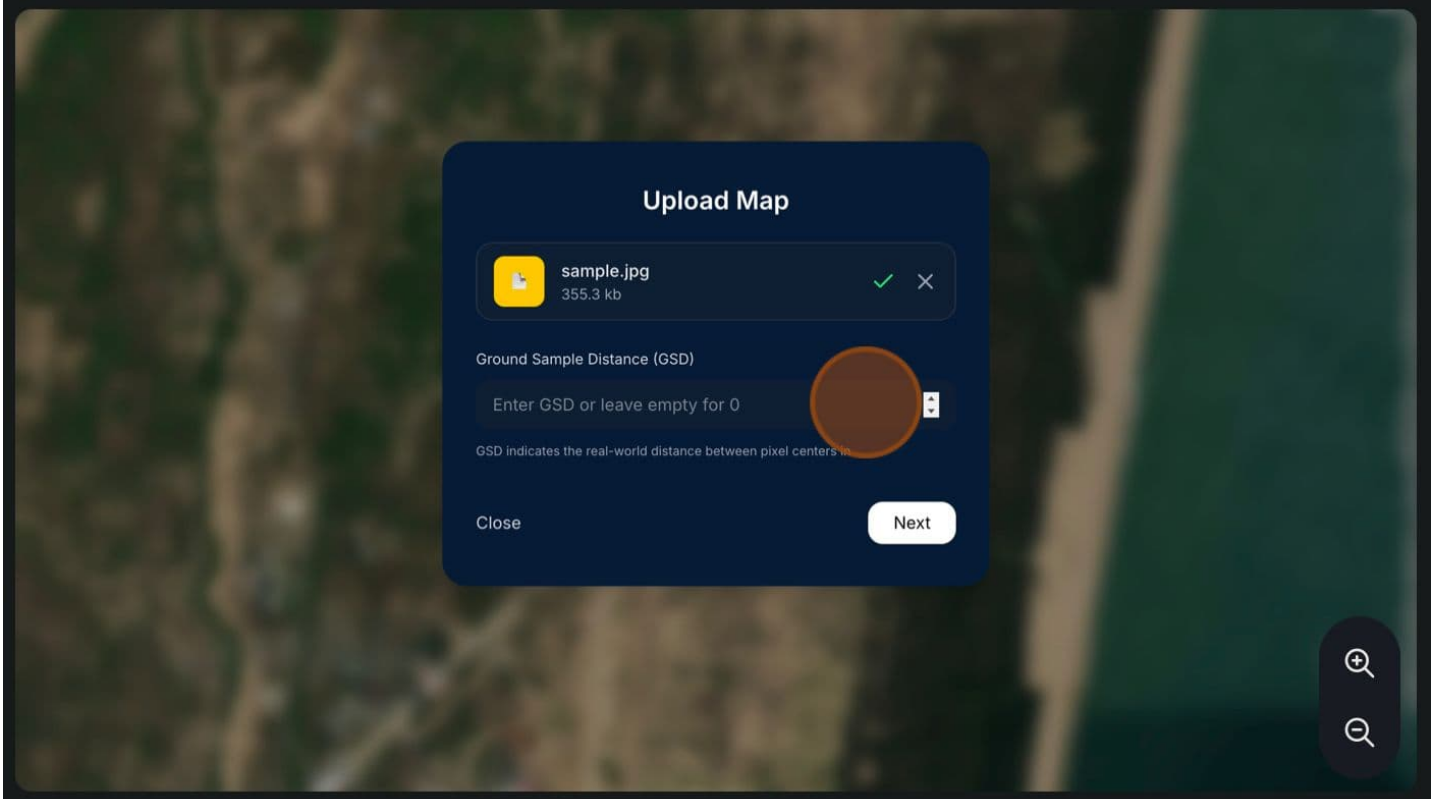

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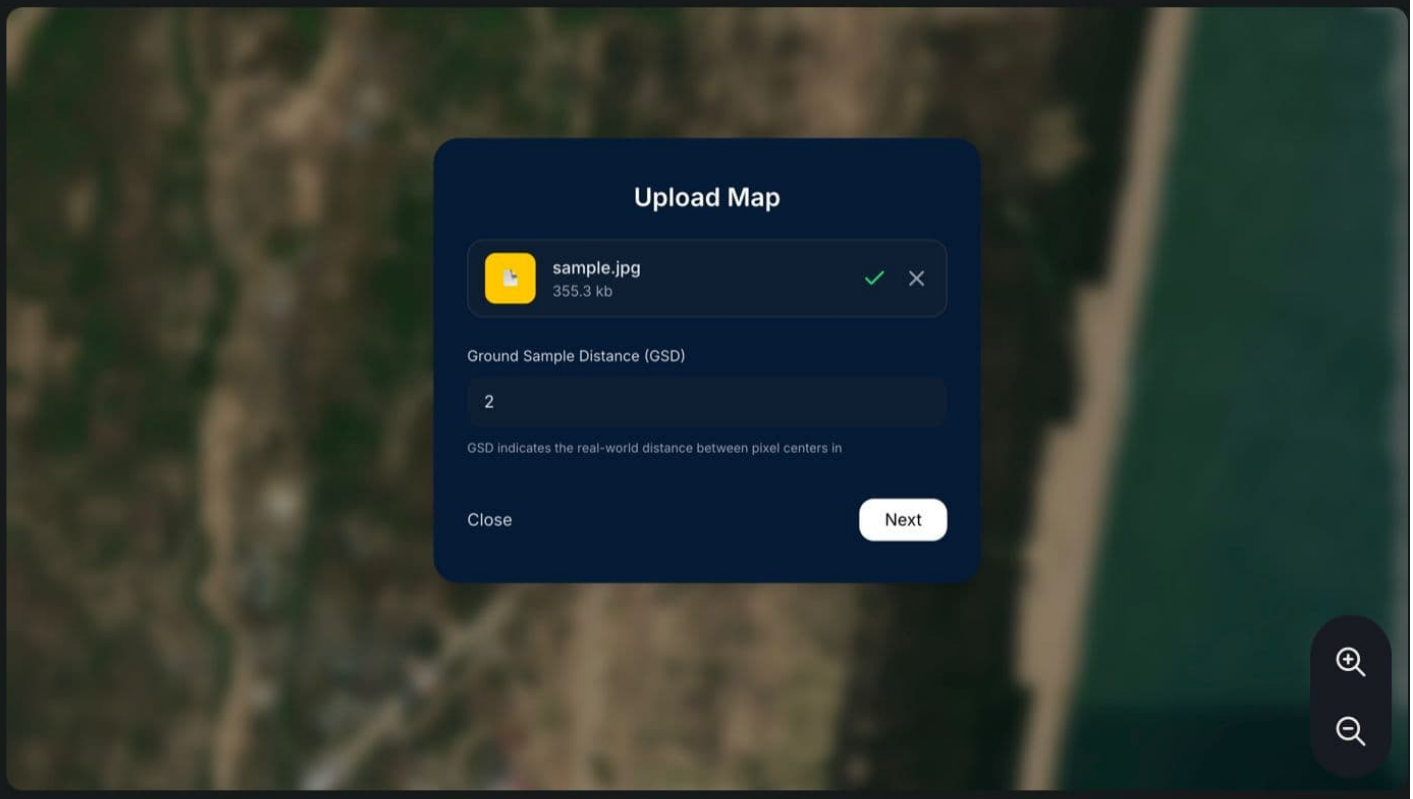

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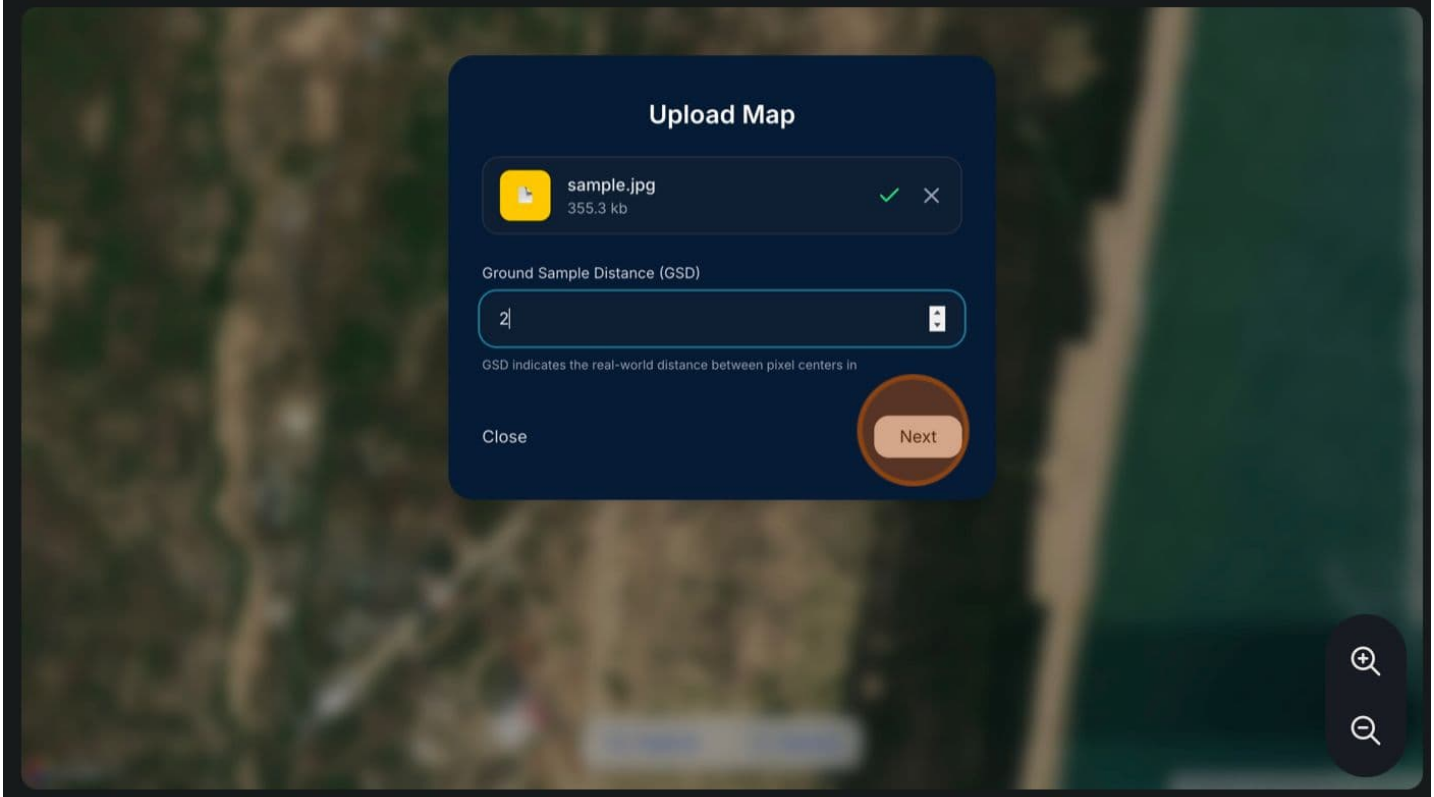

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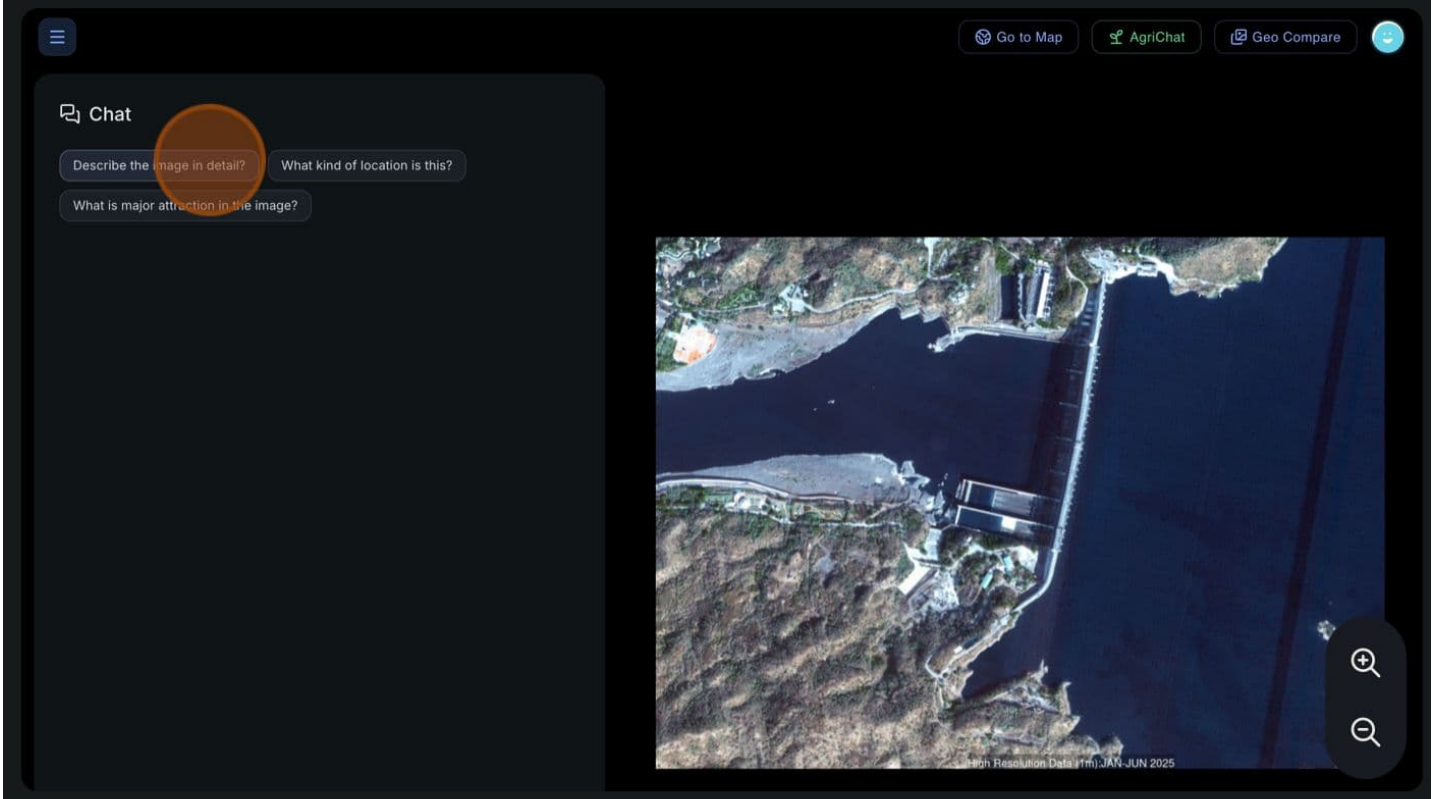
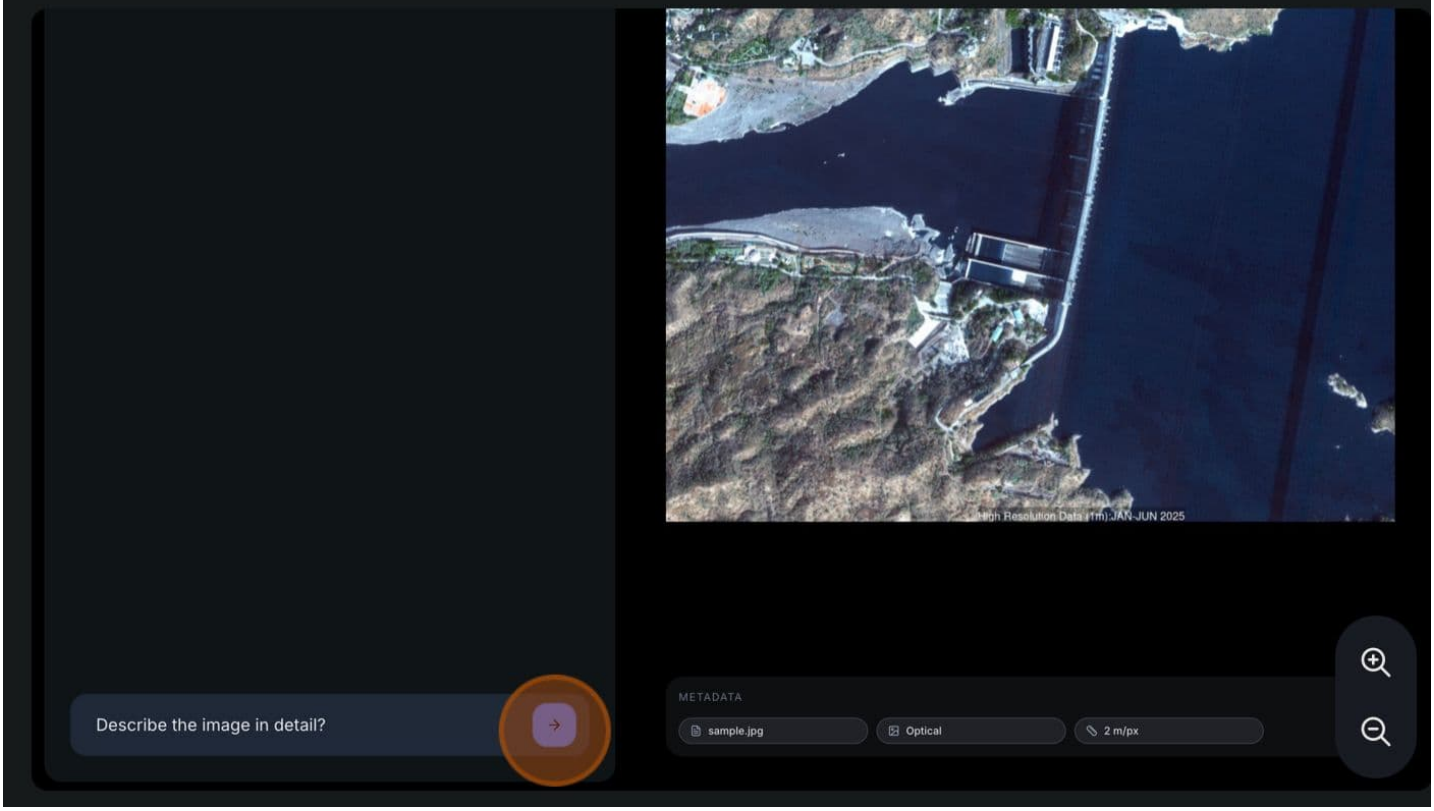
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