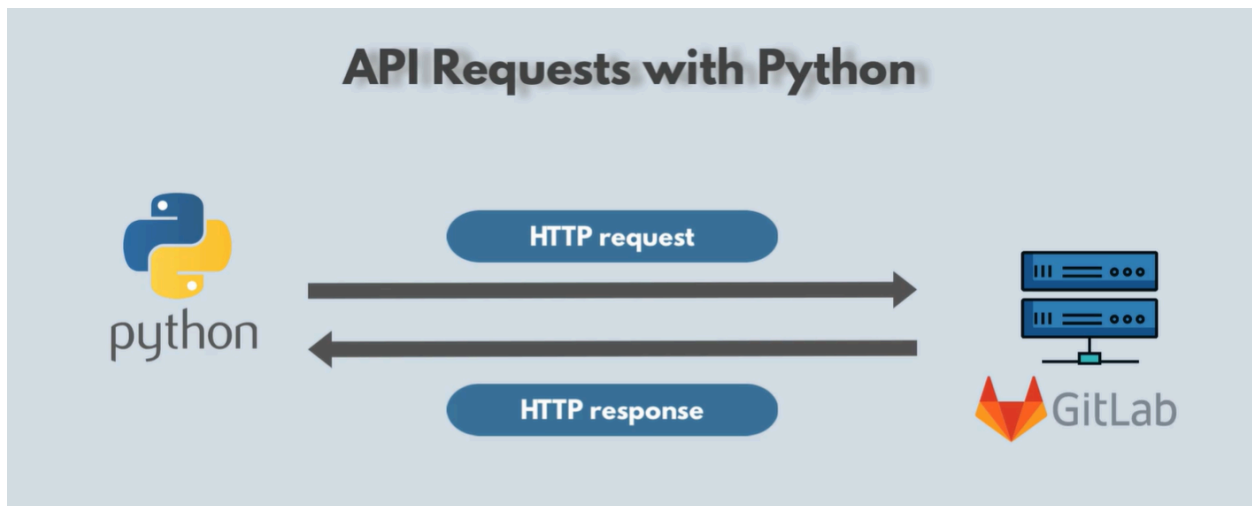


# Demo Project: API Request to GitLab

This project demonstrates how to interact with an external API using Python. Specifically, it retrieves and lists all public GitLab repositories for a specified user.



Step 1: Install Required Packages

Step 2: Write the Python Script

Step 3: Run the Script

Step 4: Review the Output

## Step 1: Install Required Packages

### 1. Install the `requests` library

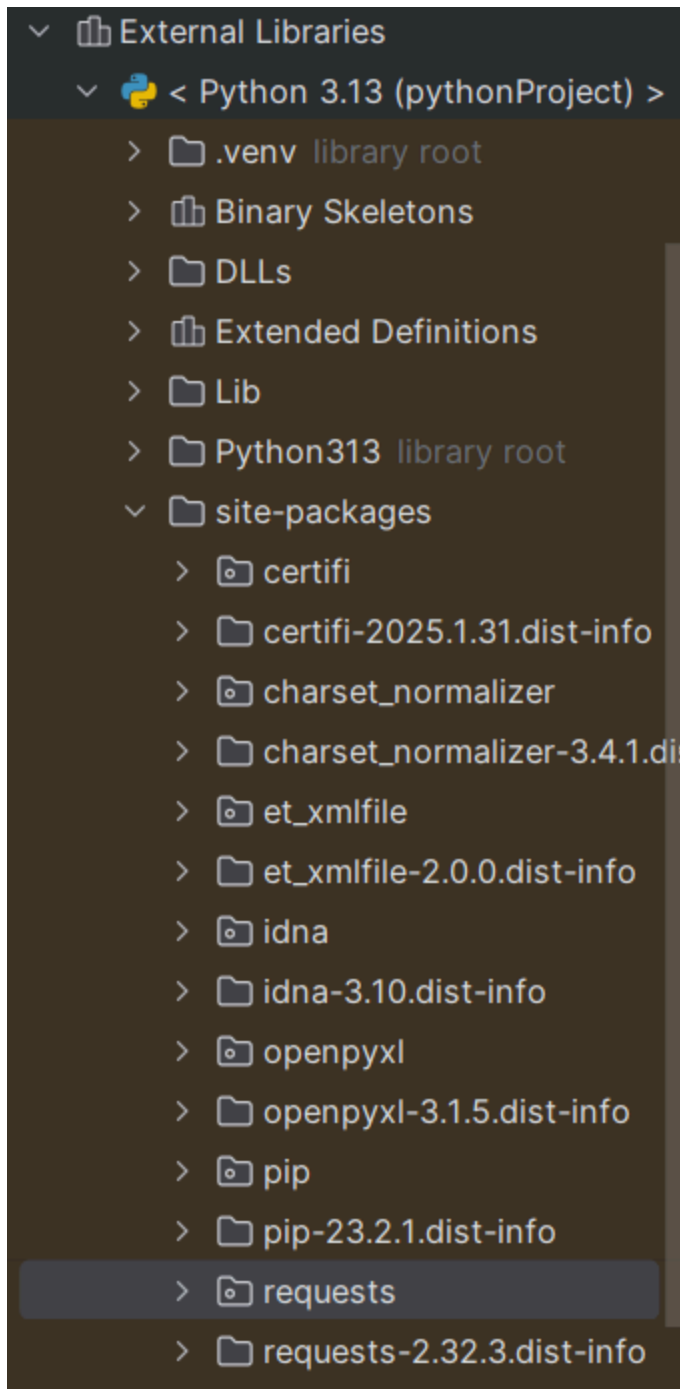
- Visit [pypi.org](https://pypi.org/project/requests/) (<https://pypi.org/project/requests/>) and look for “requests”.
- `requests` allows Python to send HTTP requests and receive HTTP responses from external applications.

### 2. Install the package

- Run the following command in the terminal: `pip install requests`

### 3. Verify Installation

- In PyCharm, navigate to **External Libraries** → **Python 3.x** → **site-packages**
- Ensure `requests` is listed.



## Step 2: Write the Python Script

Create a file named `main.py` and add the following code:

```
import requests
response = requests.get("https://gitlab.com/api/v4/users/techworld-with-nana/p
my_projects = response.json()

# print the whole objects list
print(my_projects)
print(type(my_projects))

# print just the names and urls
for project in my_projects:
    print(f"Project Name: {project['name']}\nProject Url: {project['http_url_to_repo"]
```

## Step 3: Run the Script

Execute in PyCharm

- Open `main.py` in PyCharm.
- Right-click and select **Run 'main'**.

## Step 4: Review the Output

Example Output:

