🚀 API Automation Framework with Pytest + Allure + Docker + Jenkins

This repository contains a professional and scalable API automation framework built with:

- ✅ **Pytest** – for test structuring and execution
- ✅ **Allure** – for rich and interactive reports
- ✅ **Docker** – to containerize and run tests anywhere
- ✅ **Jenkins** – for CI/CD pipeline integration
- ✅ **Requests** – to interact with REST APIs

GitHub Repository

Repo URL: https://github.com/nijesh22/api-automation-pytest-framework

To clone this project:

```
git clone https://github.com/nijesh22/api-automation-pytest-framework.git
```

🛕 Running Tests

Locally:

1. Install dependencies:

```
pip install -r requirements.txt
```

1. Run tests with Allure results:

```
pytest --alluredir=allure-results
```

1. Generate and view the report:

```
allure generate allure-results -o allure-report --clean
allure serve allure-results
```

🚠Using Docker:

Build the Docker image:

```
docker build -t api-automation-framework .
```

Run the container and mount the results and report directories:

```
docker run --rm ^
  -v "%cd%\allure-results:/app/allure-results" ^
  -v "%cd%\allure-report:/app/allure-report" ^
  api-automation-framework
```

🛖Dependencies

These are the major Python packages used:

- `pytest`
- `allure-pytest`
- `requests`
- `pluggy`, `iniconfig`, etc. for pytest config support

Install all of them with:

```
pip install -r requirements.txt
```

🏫Allure Report

Once tests run, Allure reports will be available in:

```
/allure-report/index.html
```

To view:

```
allure serve allure-results
```

🚋Author

Developed by [@nijesh22](#) with ❤️using Python.