



Getting Started with Streamlit

Streamlit is an open-source Python framework for quickly building and deploying interactive web applications, especially for data science and AI projects. It allows developers to create user-friendly apps with minimal coding, focusing on Python scripts without needing frontend expertise.

1. Install Required Dependency:

1. Open Your Terminal:

- Open your VS Code **terminal** with the **active VM**.
- You have to activate the VM environment before the next step.

2. Install Streamlit: Run the following command

```
pip install streamlit
```

3. Verify Streamlit Installation

```
pip show streamlit
```

If Streamlit is installed, you should see output like this:

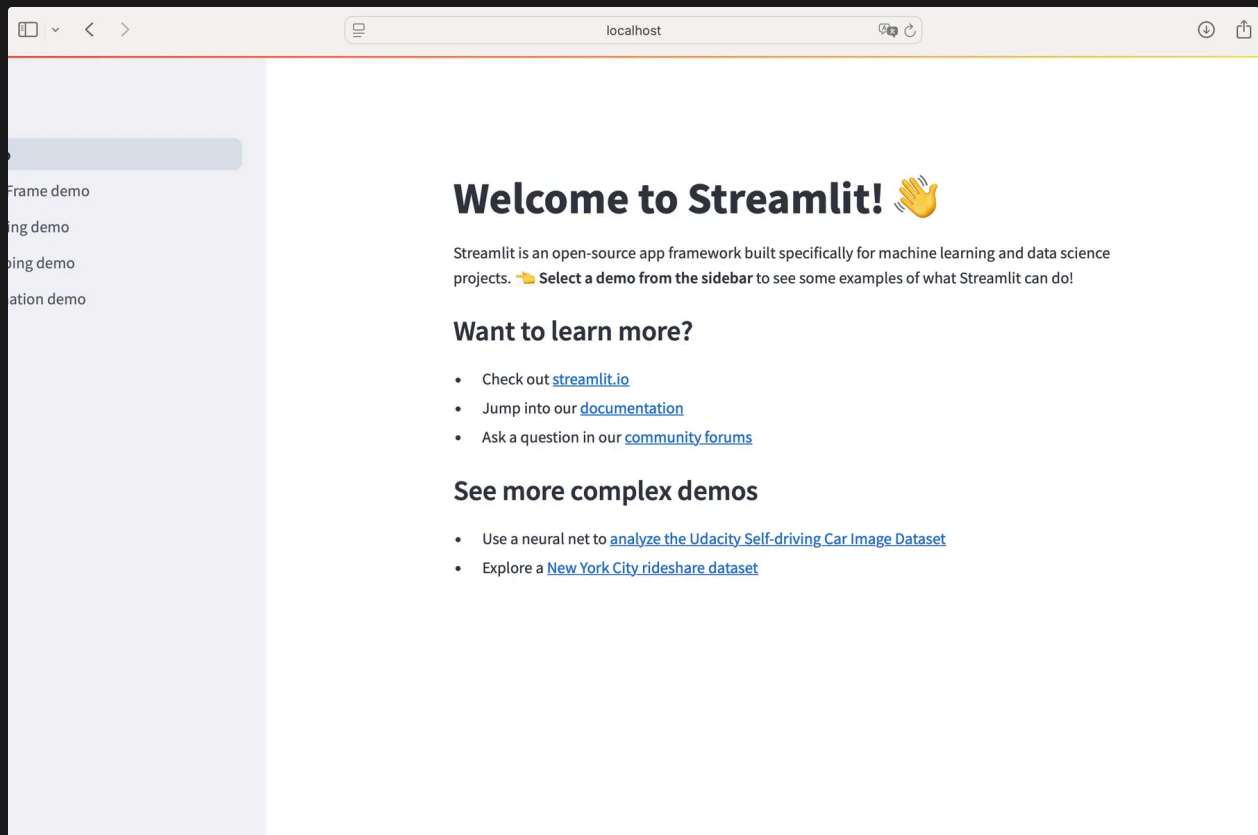
```
Name: streamlit Version: X.X.X Location: /path/to/python/site-packages
```

2. Running Streamlit

Once Streamlit is installed, verify the installation by running the following command in your **terminal** with the **active VM**:

```
streamlit hello
```

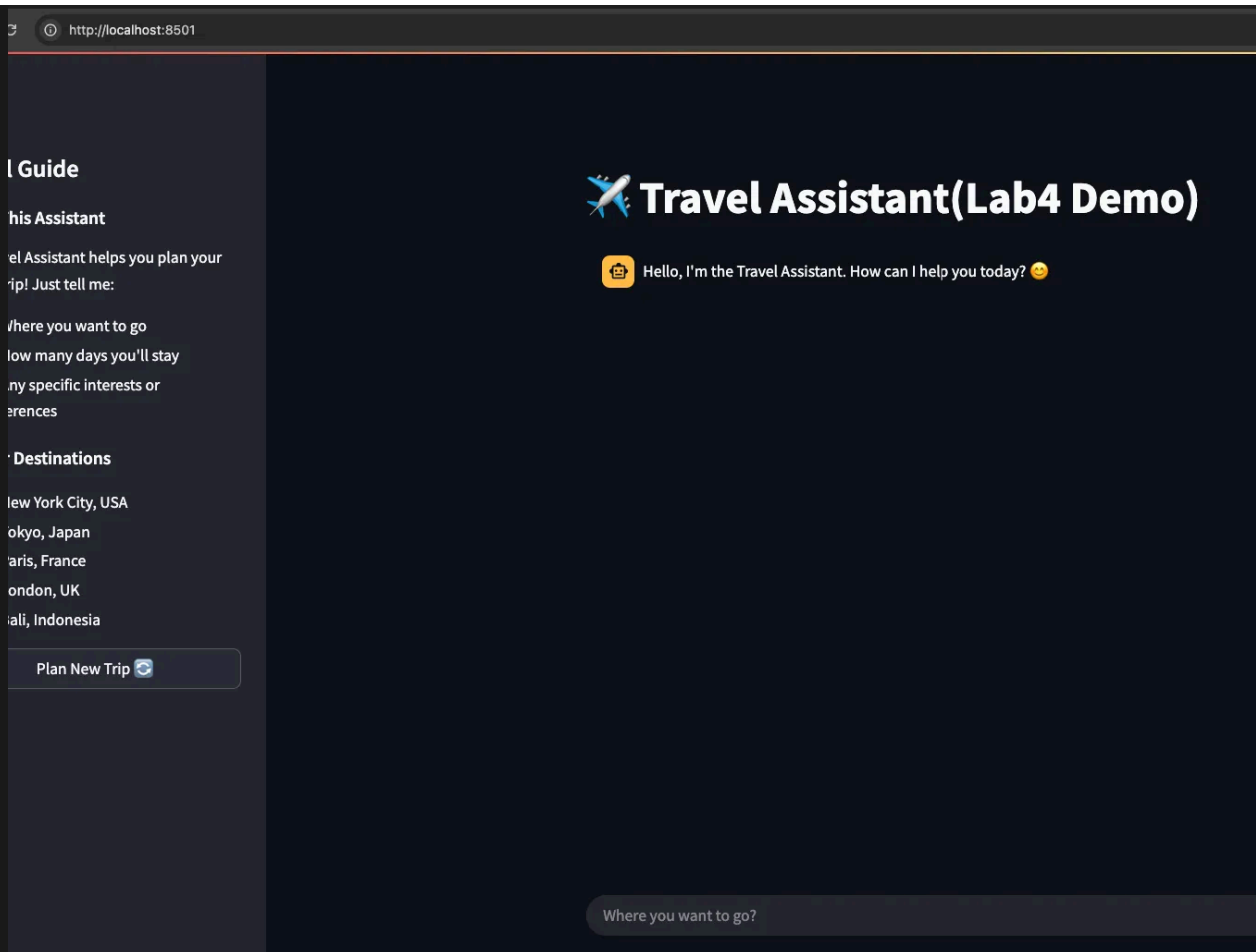
This will start a demo app in your **default web browser**.



To start the Lab 4 app, run the following command in your **terminal** with the **active VM**:

```
streamlit run xxxx.py ##xxxx is the name of the python file for the app.
```

This will start the app in your **default web browser**.



3. Closing Streamlit

To stop Streamlit, go to your terminal and press:

- Windows/Linux/macOS: **Ctrl + C**

This will terminate the running Streamlit server.

By following this guide, you have successfully:

- ✓ Installed Streamlit on your system
- ✓ Verified the installation by running the demo app
- ✓ Learned how to stop the Streamlit server

You're now ready to build your first **Streamlit AI application!** 🚀

