

Complete Setup Guide for ISRO Chatbot on Linux (WSL)

1. Install Linux (WSL) on Windows

- Open PowerShell as Administrator and run:

```
wsl --install
```

- Restart your PC when prompted.
- Launch Ubuntu (Linux) from the Start Menu and complete the setup.

2. Access Your Chatbot Project from Both Windows & Linux

- Open Ubuntu (Linux Terminal) and navigate to your project folder:

```
cd /mnt/c/ISRO_Chatbot_Setup
```

3. Install Python from the Tar File (Offline Installation)

- Go to the Python folder:

```
cd /mnt/c/ISRO_Chatbot_Setup/Python
```

- Extract the tar file:

```
tar -xvf Python-3.9.10.tar
```

- Install Python manually:

```
cd Python-3.9.10
```

```
./configure --prefix=/mnt/c/ISRO_Chatbot_Setup/Python/python_install
```

```
make
```

```
make install
```

- Verify Python installation:

```
/mnt/c/ISRO_Chatbot_Setup/Python/python_install/bin/python3 --version
```

4. Install Dependencies from python_packages

- Go to chatbot project folder:

```
cd /mnt/c/ISRO_Chatbot_Setup/ISRO_Chatbot_Project
```

- Install dependencies:

```
/mnt/c/ISRO_Chatbot_Setup/Python/python_install/bin/python3 -m pip install --no-index
```

```
--find-links=/mnt/c/ISRO_Chatbot_Setup/python_packages -r requirements.txt
```

5. Verify GPT-2 Model Setup

- Check if the GPT-2 model exists:

```
ls /mnt/c/ISRO_Chatbot_Setup/GPT2_Model
```

6. Start the Chatbot with Flask UI

- Go to the chatbot project folder:

```
cd /mnt/c/ISRO_Chatbot_Setup/ISRO_Chatbot_Project
```

- Run the chatbot:

```
/mnt/c/ISRO_Chatbot_Setup/Python/python_install/bin/python3 app.py
```

- Open your browser and go to:

```
http://127.0.0.1:5000
```

7. Upload Files from Windows File Explorer

- You CAN upload files from anywhere in Windows File Explorer.
- Click Upload in Flask UI -> Select files -> Process them.

8. Switching Between Windows & Linux

- To switch to Windows, just close Ubuntu and continue using Windows.
- To return to Linux, reopen Ubuntu and navigate to your project:

```
cd /mnt/c/ISRO_Chatbot_Setup/ISRO_Chatbot_Project
```

Your chatbot will work offline inside Linux.

Uploaded files can be selected from anywhere in Windows.

You can switch between Windows & Linux anytime.