

LiteLLM Installation Step-by-Step

Step 2: Installing the Universal LLM Interface

1. Installation Commands

Primary Method (Recommended):

```
pip install litellm
```

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Alternative for multiple Python versions:

```
pip3 install litellm
```

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Using a Virtual Environment (Best Practice):

```
python -m venv llm_env  
source llm_env/bin/activate  
pip install litellm
```

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2. Verification

```
import litellm; print("LiteLLM installed  
successfully")
```

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Expected Output: LiteLLM installed successfully

```
litellm --version
```

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Troubleshooting

- ▲ **Permission Denied:** If you see a permission error, try installing as a user.
`pip install litellm --user`
- ▲ **Command Not Found:** If `pip` or `pip3` is not found, ensure Python and Pip are in your system's PATH. You may need to install or upgrade them first.
- ▲ **Version Conflicts:** Dependency issues? A clean virtual environment is the best solution to avoid conflicts with other packages.

🕒 10-15 minutes | Lab Step 2/17