

Traceback (most recent call last):

```
File "d:\PROJECTS - MINI\Gesture-Controlled-Presentation-System\GesturePresentation\src\gesture_recognition\main.py", line 3, in <module>
from gesture_recognition.hand_tracking import HandTracker
ModuleNotFoundError: No module named 'gesture_recognition'
PS D:\PROJECTS - MINI\Gesture-Controlled-Presentation-System\GestureP
```

The error you are seeing:

```
ModuleNotFoundError: No module named 'gesture_recognition'
```

means that Python cannot find the `gesture_recognition` package or folder when running your script.

This usually happens because:

1. **Your current working directory is not set properly** when running the script.
2. The `gesture_recognition` module is not installed as a package (likely it's a local folder in your project).
3. Python's `sys.path` does not include the folder where `gesture_recognition` resides.

How to fix this in your project structure

Suppose your structure is something like:

```
Gesture-Controlled-Presentation-System/
├── GesturePresentation/
│   └── src/
│       └── gesture_recognition/
│           ├── __init__.py
│           ├── hand_tracking.py
│           └── main.py
└── ...
```

If `main.py` is importing `gesture_recognition.hand_tracking`, it expects that `gesture_recognition` is a package accessible from your current Python import path.

Solutions

1. Run the script from the `src` folder

Open your terminal in:

```
D:\PROJECTS - MINI\Gesture-Controlled-Presentation-System\GesturePresentation\src\
```

Then run:

```
python -m gesture_recognition.main
```

This runs `main.py` as a module and ensures relative imports will work.

2. **Modify** `sys.path` **inside** `main.py`

Add these lines at the very top of `main.py` to include the folder containing `gesture_recognition`:

```
import sys
import os

sys.path.append(os.path.dirname(os.path.abspath(__file__)))
```

Or if you want to add the parent folder (`src`):

```
sys.path.append(os.path.dirname(os.path.dirname(os.path.abspath(__file__))))
```

This manually adds the directory to Python's import search paths.

3. **Check for** `__init__.py` **files**

Make sure the `gesture_recognition` folder contains a file named `__init__.py` (can be empty). This makes it a Python package, enabling imports.

4. **Avoid running the script from a different directory**

If you run `python main.py` from a directory other than where `main.py` is, relative imports may break.

Summary

- Use `python -m gesture_recognition.main` from the `src` folder.
- Or adjust your `PYTHONPATH/sys.path` to include the folder with `gesture_recognition`.
- Ensure `gesture_recognition` is a package with `__init__.py`.

Let me know if you want me to help with an exact script or run command depending on your project folder layout!