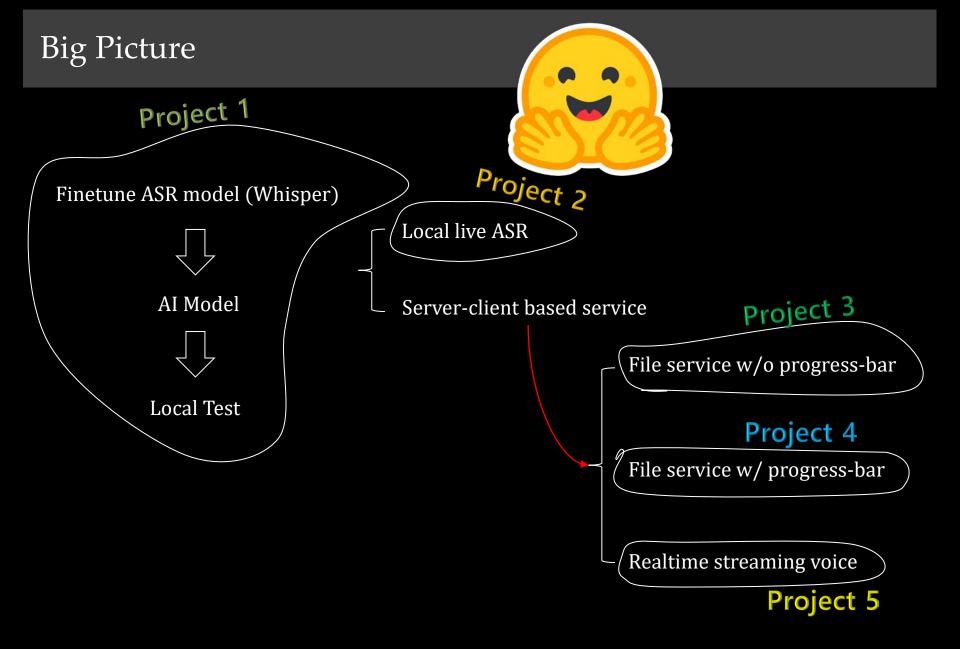
OpenAl Whisper - Local Live ASR service (Master Plan of Attack!)

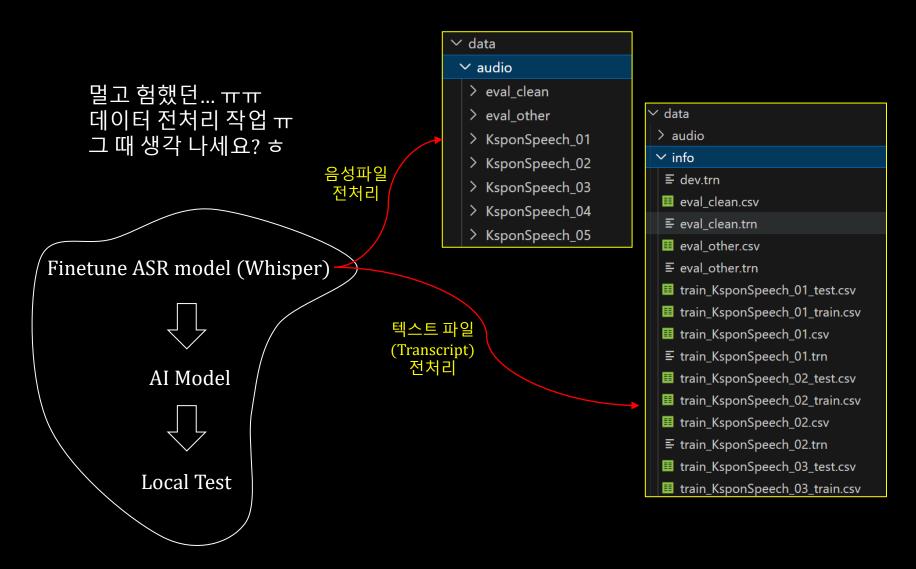
소프트웨어 꼰대 강의

노기섭 교수

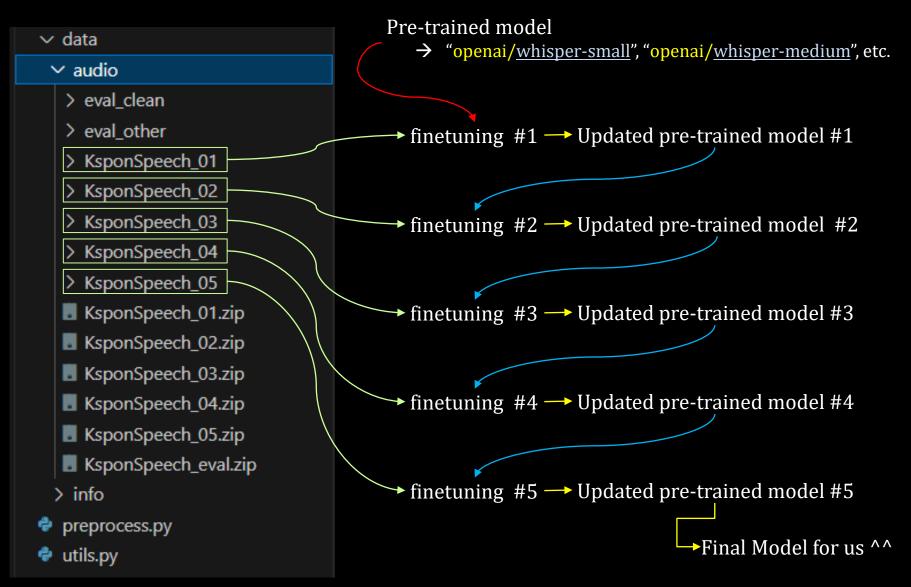
(kafa46@cju.ac.kr)



지금까지 우리가 해온 작업은?



Recap: AI hub dataset -> Finetuning



그간의 Finetuning Summary

ACIN Academy

https://github.com/kafa46/acin_academy/tree/master

Whisper ASR Finetuning

https://github.com/kafa46/acin_academy/tree/master/ 202_fine_tunning

Download for Finetuned Models

https://github.com/kafa46/acin_academy/blob/master/202
_fine_tunning/whisper/model_archive/readme_archive.md

Prerequisites |

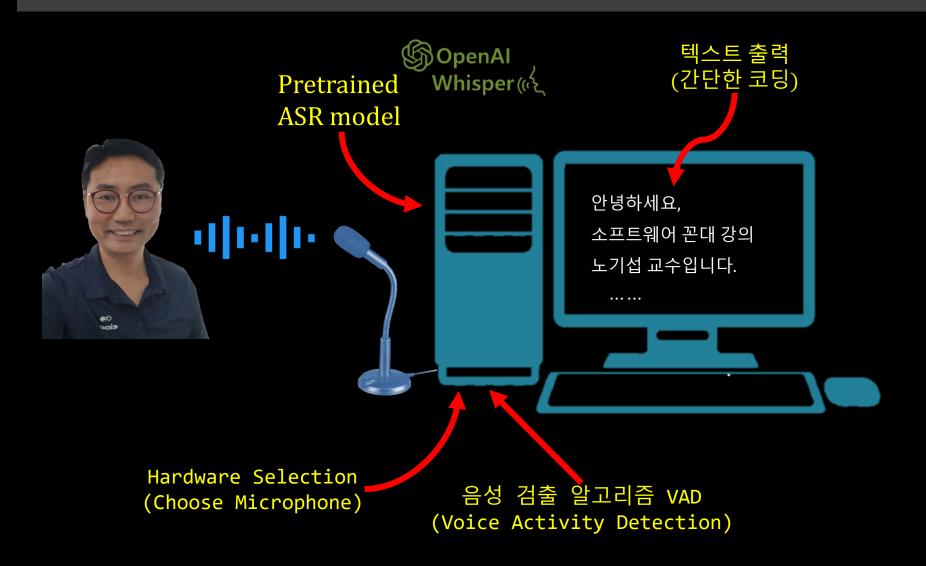
What you need before we start

- Local Computer (Desktop)
 - In my opinion,

server environment is not proper to this mini-project

- Microphone (USB, wireless, built-in,)
- Pretrained ASR model(s) → We will use Whisper model ^^

Mini-project Configurations



Cheating for VAD

음성 검출 알고리즘 VAD (Voice Activity Detection)

https://github.com/snakers4/silero-

```
vad/tree/master/examples/microphone and webRTC integration

py-webrtcvad: https://github.com/wiseman/py-webrtcvad

(pypi: https://pypi.org/project/webrtcvad/)

Errors in "pip install webrtcvad"
   Failed to build webrtcvad
   ERROR: Could not build wheels for webrtcvad, which is required to install pyproject.toml-based projects

Final solution:
   pip install webrtcvad-wheels
   (pypi: https://pypi.org/project/webrtcvad-wheels/
```

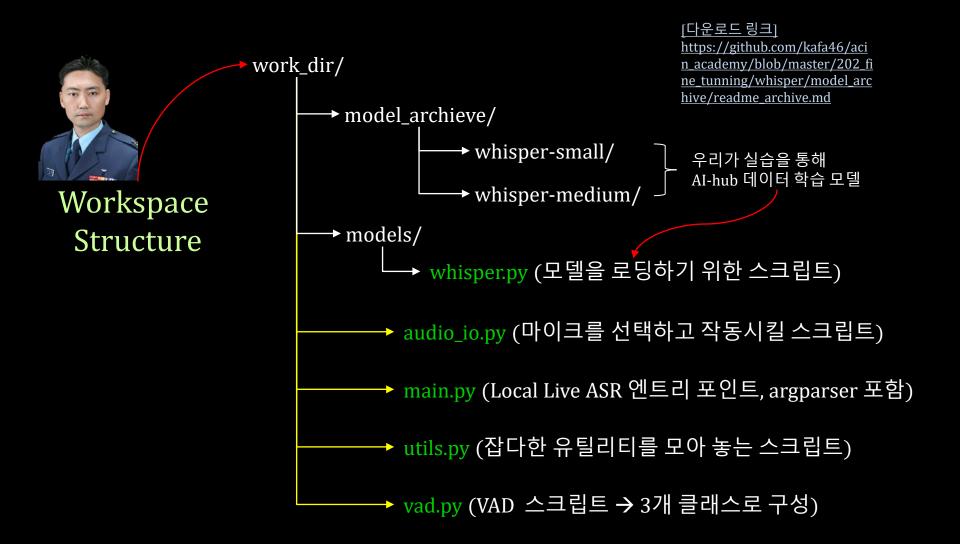
Cheating for Hardware (microphone) Selection



Hardware Selection (Choose Microphone)

https://digging-on-bytes.com/whisper%EC%99%80python%EC%9C%BC%EB%A1%9C-%EC%8B%A4%EC%8B%9C%EA%B0%84%EB%B2%88%EC%97%AD%EA%B8%B0-%EB%A7%8C%EB%93%A4%EA%B8%B0-part1/

Implementation Approach





수고하셨습니다 ..^^..