1. 不要動到 source code

2. 創建 uv 環境 更改解釋器路徑 uv 的 python

3. 使用 vanna 的框架 pip install "vanna[chormadb]" "vanna[ollama]" "vanna[openai]"

- 進到我的資料夾

cd "專案名稱"

- 初始化專案(如果還沒有 pyproject.toml)

uv init

- 建立虛擬環境

uv venv

- 啟用虛擬環境

(bash) source .venv/Scripts/activate

(powershell) .venv/Scripts/activate

- 安裝套件

uv add pandas

- 停用虛擬環境

Deactivate

LLM 調用路徑 / API

[Qwen2.5-VL-32B]

model\_name = Qwen/Qwen2.5-VL-32B-Instruct

model\_url = http://10.13.18.40:2266/vl

[GPT-OSS-20B]

model\_name = openai/gpt-oss-20b

model\_url = http://10.13.18.40:8964/v1

[DeepSeek-0528]

model\_name = deepseek-ai/DeepSeek-R1-0528-Qwen3-8B

model\_url = http://10.13.18.40:55700/v1

[InternVL3.5-38B]

model\_name = OpenGVLab/InternVL3\_5-38B

model\_url = http://10.13.18.40:3036/v1

向量資料庫

name = Milvus

url = <http://10.13.18.40:19530>

embedding model

model\_name = acge\_text\_embedding

api\_url = <http://10.13.18.40:14514/embed>

model\_name = Conan-embedding-v1

api\_url= <http://10.13.18.40:14514/embed>

model\_name = jina-embeddings-v3

api\_url = <http://10.13.18.40:14514/embed>

連線資訊  
    # "ALS2.0紀錄": DatabaseConfig(

    #     server ="UTCSNEDCLSNR02",

    #     username="ALS2.0\_readonly",

    #     password="5rdxZSE$",

    #     database="SN\_ALMS"

    # )

    "ALS2.0紀錄": DatabaseConfig(

         server="10.22.66.37",

         username="ALS2.0\_Admin\_readonly",

         password="5rdxZSE$",

         database="YM\_ALMS"

    )