import os

# Define folder structure

folders = [

"data/raw",

"data/processed",

"notebooks",

"scripts",

"models",

"src/config",

"src/data",

"src/features",

"src/models",

"src/utils",

"tests"

]

# Define basic files to create

files = {

"README.md": "# MLOps Project\n\nThis project implements a full machine learning pipeline.",

".gitignore": "\*.pyc\n\_\_pycache\_\_/\n.env\n\*.pkl\n",

"requirements.txt": "# Add required Python packages here\n",

"scripts/preprocess.py": "# Preprocessing logic\n",

"scripts/train.py": "# Training logic\n",

"scripts/evaluate.py": "# Evaluation logic\n",

"scripts/predict.py": "# Prediction logic\n",

"src/\_\_init\_\_.py": "",

"tests/test\_train.py": "# Write unit tests here\n",

"src/config/config.yaml": "# Configuration parameters\n"

}

def create\_structure(base\_path="."):

# Create folders

for folder in folders:

folder\_path = os.path.join(base\_path, folder)

os.makedirs(folder\_path, exist\_ok=True)

print(f"Created folder: {folder\_path}")

# Create files

for file\_path, content in files.items():

full\_path = os.path.join(base\_path, file\_path)

os.makedirs(os.path.dirname(full\_path), exist\_ok=True)

with open(full\_path, "w") as f:

f.write(content)

print(f"Created file: {full\_path}")

if \_\_name\_\_ == "\_\_main\_\_":

create\_structure()