**pipeline.yaml**

apiVersion: tekton.dev/v1beta1

kind: Pipeline

metadata:

name: simple-ci-pipeline

spec:

workspaces:

- name: shared-workspace

tasks:

# 1. Install Python dependencies

- name: install-requirements

taskSpec:

workspaces:

- name: source

steps:

- name: pip-install

image: python:3.9

workingDir: /workspace/source

script: |

if [ -f requirements.txt ]; then

pip install -r requirements.txt

else

echo "No requirements.txt found, skipping..."

fi

# 2. Run training job

- name: train-model

runAfter: ["install-requirements"]

taskSpec:

workspaces:

- name: source

steps:

- name: spark-train

image: bitnami/spark:3.3.1 # or your internal Spark image

workingDir: /workspace/source

script: |

echo "Starting model training..."

spark-submit \

--py-files ml\_stuff.zip \

model\_training.py

**pipelinerun.yaml**

apiVersion: tekton.dev/v1

kind: PipelineRun

metadata:

generateName: ci-sandbox-run-

spec:

pipelineRef:

name: simple-ci-pipeline

timeouts:

pipeline: 30m

workspaces:

- name: shared-workspace

volumeClaimTemplate:

spec:

accessModes: ["ReadWriteOnce"]

resources:

requests:

storage: 1Gi