Hybrid Recommender system ⟶ Songs dataset

Song name + Artist name ⟶ Type of filtering

↓

Top Ⓚ recommendations ⟵ diversity value

User selected ↗

Deployment ⟶ Session 1 ⟶ DVC Remote + CI pipeline

↓

App ⟶ code ⟶ Env

↓

pytest ↖ Test ⟵ App run

Session 2 ⟶ Dockerize and CD pipeline

↓ ↓

Dockerfile Aws authenticate.

↓ ↓

✓ locally container ECR login

↓

CI/CD ⟶ Image on ECR. Build Image

Push to ECR

spotify - hybrid - recsys

Session 3 ⟶ ECR ⟶ EC2 instance

Steps :- 1) launch the EC2 instance

2) Install docker

3) Install Aws CLI v2

4) Authenticate

5) Docker ⟶ ECR

6) Pull the image ⟶ EC2 instance

7) Run the container

Straight forward ⟶ Disclaimer ⟶ Streamlit ⟶ EC2

(https) ⟶ http

outbound

Internet

incompatibility

https ⟶ certifications ⟶ Preview urls drop