Bulding Image Classification App

HOSTING PLATFORM

Hosting platform :—

It is wed to make ML models accessible online.

platform	features
streamlit cloud	free, good for data apps
Hugging Face Spaces	free, easy for Gradio/streamlit
Google Cloud Run	Serveless, scalable, costly
Aws (sage maker, Lambda , EC2)	High performance but costly

Streamlit / Gradio

→ ML Demo apps , quick deployment
→ low - maintaince
— manage infrastructure
— without cloud platform

AWS sage maker:

— End - to - End ML pipeline support
→ training
→ inference

— large - scale , production - ready
— auto - scaling .

AWS lambda (serveless Inference)
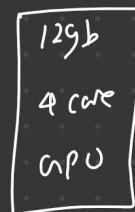
process — model → output

— automatically scales
— shut down after execution .

AWS EC2 :—

virtual machine → | 12gb |
| 4 core |
| CPU | → cloud → id
password

sleep

cost

→ full control over ML training & inference.

~ api

→ model

Google cloud run:

ML

Docker image — linux
python

- auto scaling
→ api
→ containerized deployment