🚀 START HERE - Complete Deployment Guide

This is your **complete roadmap** for deploying the Heart Disease Prediction MLOps project. Follow the steps below :
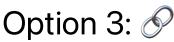
🎯 What Do You Want To Do?

Option 1: 🏠 Run Locally

Perfect for: Testing, development, understanding the project

👉 **Follow:** `LOCAL_DEPLOYMENT_GUIDE.md` *API will be running on http://localhost:8000*

Option 2: ☁️ Deploy to Cloud

👉 **Follow:** `CLOUD_DEPLOYMENT_GUIDE.md`

Option 3: 🔗 Test the API?

👉 **Follow:** `ACCESS_INSTRUCTIONS.md`

📚 Complete Step-by-Step Path

Follow these guides **in order** for the complete MLOps workflow:

```
1. LOCAL_DEPLOYMENT_GUIDE.md     ← Start here (Run locally first)
   ↓
2. CLOUD_DEPLOYMENT_GUIDE.md     ← Deploy to cloud (Get public URL)
   ↓
3. ACCESS_INSTRUCTIONS.md        ← Test everything (Verify it works)
   ↓
4. EXECUTION_GUIDE.md            ← Reference guide (Additional details)
```

📋 Summary of Available Guides

Guide	Purpose
LOCAL_DEPLOYMENT_GUIDE.md	Run on your computer
CLOUD_DEPLOYMENT_GUIDE.md	Deploy to internet
ACCESS_INSTRUCTIONS.md	Test the API
EXECUTION_GUIDE.md	Additional reference

🚀 Quick Start Commands

For Local Deployment:

```
cd heart-disease-mlops
python3 -m venv venv
source venv/bin/activate
pip install -r requirements.txt
python src/download_data.py
python src/train.py
uvicorn src.app:app --reload
```

For Cloud Deployment (Azure):

```
az login
az group create --name heart-disease-rg --location eastus
az acr create --name heartdiseaseacr --resource-group heart-disease-rg --sku Basic
az acr build --registry heartdiseaseacr --image heart-disease-api:v1 .
# ... (see CLOUD_DEPLOYMENT_GUIDE.md for complete steps)
```