**Use this to run code on local host**

cd "C:\Users\chris\OneDrive\Desktop\GCU\a DSC 580\car prediction"

streamlit run carpre\_dashboard.py

You can now view your Streamlit app in your browser.

Local URL: http://localhost:8501

Network URL: <http://192.168.1.176:8501>

**For Streamlit Cloud**

**Step 1: Prepare Your GitHub Repository**

1. **Go to** [**GitHub**](https://github.com/) and create a **new public repository** named streamlit-car-prediction.
2. **On your local machine, navigate to your project folder**:

cd "C:\Users\chris\OneDrive\Desktop\GCU\a DSC 580\car prediction"

**Initialize Git and add your files:**

git init

git add .

git commit -m "Initial commit: Added Streamlit car prediction app"

**Connect your repository** (replace your-username)

git branch -M main

git remote add origin <https://github.com/your-username/streamlit-car-prediction.git>

**Push the code to GitHub**

git push -u origin main

**✅ Step 2: Upload Your Dataset (car.csv) to GitHub**

Since **Streamlit Cloud cannot access local files**, upload car.csv to your **GitHub repository**.

1. **Go to your GitHub repo → Click "Add File" → "Upload files"**.
2. **Drag & drop car.csv → Click "Commit changes"**.
3. **Copy the raw URL** of car.csv by:
   * Clicking the file in GitHub.
   * Clicking the **"Raw"** button.
   * Copying the **URL from the address bar**.

**✅ Step 3: Modify load\_data() to Support Cloud Deployment**

Replace "your-username/streamlit-car-prediction/main/car.csv" with the **GitHub RAW URL**:

python

CopyEdit

@st.cache\_data

def load\_data():

try:

# Try loading from local path (for local use)

data = pd.read\_csv("C:/Users/chris/OneDrive/Desktop/GCU/a DSC 580/car prediction/car.csv", encoding='ISO-8859-1')

except FileNotFoundError:

# If file is not found, load from GitHub (for Streamlit Cloud)

url = "https://raw.githubusercontent.com/your-username/streamlit-car-prediction/main/car.csv" # Replace with your actual URL

data = pd.read\_csv(url, encoding='ISO-8859-1')

data.dropna(inplace=True)

data.columns = data.columns.str.strip().str.lower().str.replace(" ", "\_")

return data

**✅ Step 4: Create a requirements.txt File**

Streamlit Cloud needs a requirements.txt file.

1. In your **project folder**, create requirements.txt:

bash

CopyEdit

touch requirements.txt

1. Add the required dependencies:

nginx

CopyEdit

streamlit

pandas

numpy

matplotlib

scikit-learn

1. **Commit & push the changes**:

bash

CopyEdit

git add .

git commit -m "Updated load\_data() for Streamlit Cloud deployment"

git push origin main

**✅ Step 5: Deploy to Streamlit Cloud**

1. **Go to Streamlit Cloud** and log in.
2. **Click "Deploy an app"**.
3. **Select your GitHub repository** (streamlit-car-prediction).
4. **Enter Deployment Details**:
   * **Repository:** your-username/streamlit-car-prediction
   * **Branch:** main
   * **Main file path:** carpre\_dashboard.py
5. **Click "Deploy"**.

**✅ Step 6: Test Your Live App**

* Once Streamlit Cloud deploys the app, it will provide a **public URL**.
* Open the **URL**, **test the features**, and **verify the dataset loads correctly**.

**🎉 Your App is Now Live!**

Let me know if you **need help fixing any issues** during deployment! 🚀