Deployment Guide: Spam Detection Tool (Google Colab + FastAPI + HTML UI)

1. Open Google Colab and upload the Spam_Detector.ipynb notebook.

2. Run the notebook cells to train and save the spam detection model.

3. Download 'spam_model.pkl' after training.

4. Save the 'main.py' backend file locally.

5. Install FastAPI and Uvicorn locally:

   pip install fastapi uvicorn joblib

6. Start the FastAPI server:

   uvicorn main:app --reload

7. Open index.html in a browser. Ensure it's calling 'http://localhost:8000/predict'.

8. Deploy backend (optional):

   - Use Render or Railway to deploy the FastAPI app with spam_model.pkl.

9. Deploy frontend:

   - Use GitHub Pages or Vercel to host index.html.

You're now ready with a full spam detection tool!