Text Spam Classifier (SMS or Email)

A simple machine learning model that automatically classifies text messages (SMS or email) as "spam" or "not spam."
A small app or script that takes a user's text message as input and predicts whether it's spam.

1. **Data:**

   - Used public datasets like the "SMS Spam Collection Dataset."

2. **Text Preprocessing:**

   - Clean the text: lowercase, remove punctuation, strip stopwords.

   - Convert text to numerical features using tools like CountVectorizer or TfidfVectorizer in scikit-learn.

3. **Training the Model:**

   - Use a simple algorithm (Logistic Regression or Naive Bayes) from scikit-learn.

   - Split the data for training and testing.

   - Evaluate using accuracy or F1-score.

4. **Deploying a Simple Web App:**

   - Using Streamlit or Gradio to build a basic web interface where users paste a message and get a "Spam/Not Spam" label.

   - Hosting it on Streamlit Cloud.

5. **Containerize**

   - Package my app in a Docker container for a nice touch.

   Github Link - https://github.com/Adarsh-Singh-01/Text-Spam-Classifier