**Project Name: Named Entity Recognition (NER) for News Articles**

**1. Project Overview:**

This project implements a Named Entity Recognition (NER) system for news articles. It identifies entities such as person names, organizations, and locations using a BiLSTM-CRF model.

**2. Folder Structure:**

**- ner.csv:** Input dataset

**-NER CRF.ipynb :(Main File For This Program)**

**3. Libraries & Environment Setup:**

**Install dependencies using:**

pip install -pandas matplotlib

pip install nltk crfsuite

**4. How to Run the Code**

**To run prediction:**

Run NER CFR.ipynb in Jupyter to see F1 Score and Classification report

**5. Input & Output Explanation:**

**a. Input:** Plain English sentence typed by user

**b. Output:** Printed list of tokens and their corresponding predicted entity tag

prediction result :f1\_score=0.010 (using NER CRF.ipynb)

**6. How to Test with New Data:**

Use ner\_app.py to test any new sentence you input during runtime.