**Problem statement:**

**As social media spreads more and more now days , we face a lot of news some of them is true and some isn’t.**

**1)Fake news detection project using NLP (Natural Language Processing) is the process of identifying and classifying news articles or that contains false or misleading information.**

**2)data discovery:**

**-checking basic dataset information(data types and dimensions).**

**3)The project typically involves several steps, including data collection and preparation, feature engineering, model selection, and evaluation.**

**-First, the data is collected from news websites or social media platforms.**

**- preprocessed to remove noise, stop words, and other irrelevant content.**

**4)textual data is converted into vectors(using Tf-Idf vectorizer).**

**5)machine learning model is trained on the preprocessed data to classify news articles into fake or genuine categories.**

**6)The model is evaluated on a test set**

**Algorithms as (svm , logistic regression)were tried**

**Project deployment link:** [Fake News Detetector · Streamlit](https://fake-news-detection.streamlit.app/)