

WEB ARTICLE SENTIMENT ANALYZER

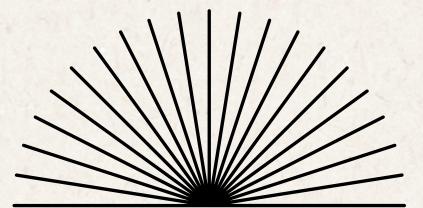
**Transforming Online Articles into Structured Insights
with NLP**

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GITHUB LINK:

<https://github.com/Ayushi1792/Sentiment-Analysis>



Agenda

03 Overview

04 Architecture Diagram

05 Demo Screenshots

06 Tech Stack

07 Challenges and Learnings

01 Intelligent NLP Pipeline

The system integrates pre-trained Transformer models to perform sentiment analysis, text summarization, and named entity recognition in a single workflow.

02 Flexible Web Article Support

Users can input any publicly accessible web URL, including news sites and blogs, to automatically retrieve and analyze the content.

03 Interactive Visualization

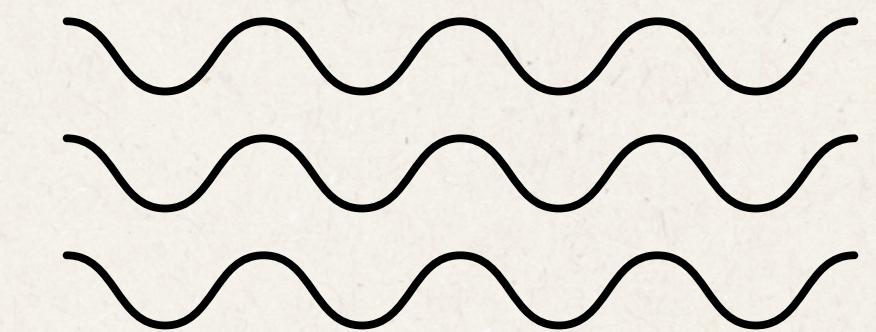
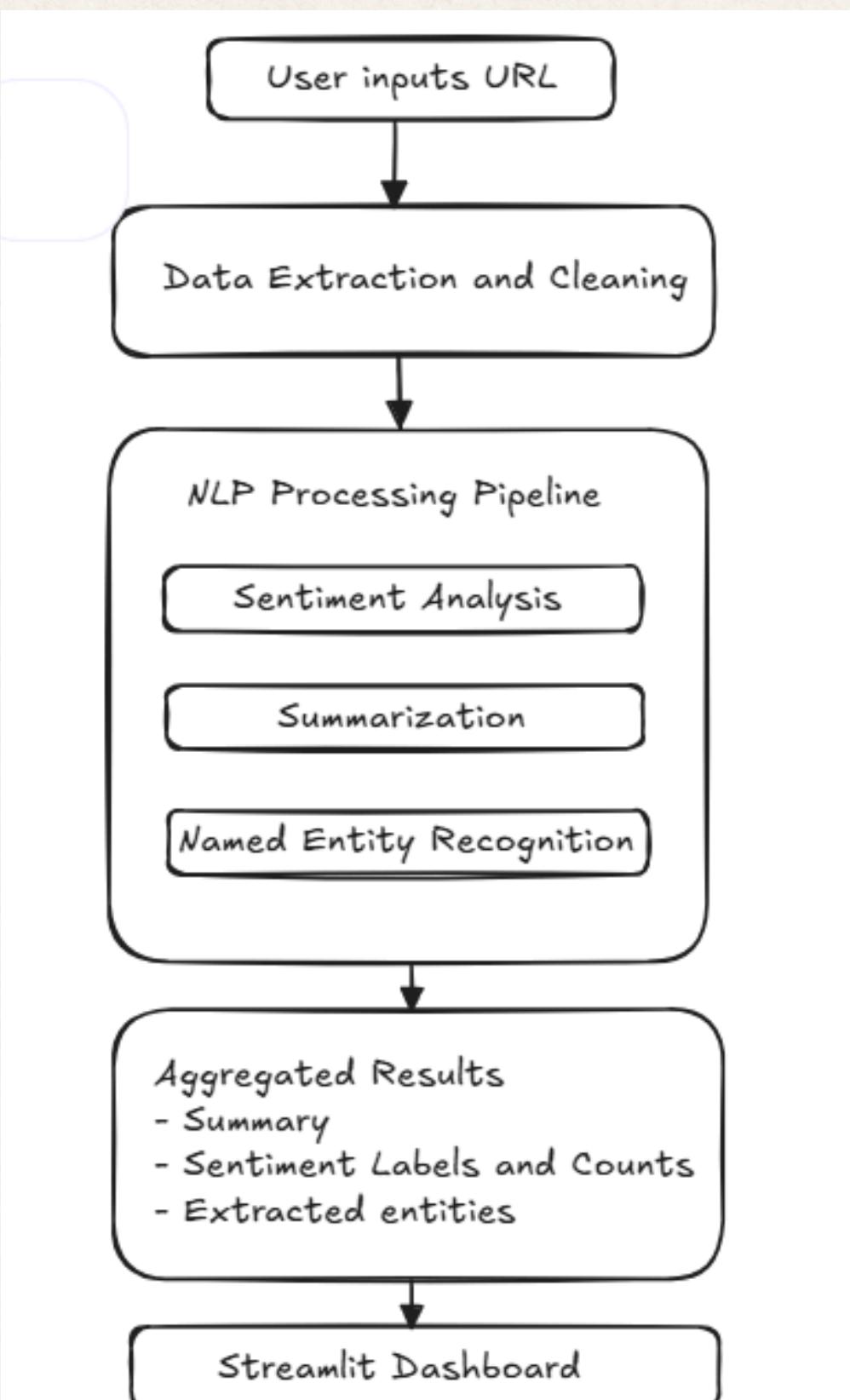
Results are displayed in an interactive Streamlit dashboard that makes it easy to explore insights at a glance.



03/10

Overview

In today's digital world, online content is growing at an exponential rate, making it difficult to process and understand key information quickly. This project aims to solve that challenge by developing an intelligent system that extracts and analyzes textual content from web articles to deliver real-time insights.



Architecture Diagram

Web Article Sentiment Analyzer Workflow

DEMO SCREENSHOTS

Web Article Sentiment Analyzer

Analyze sentiment, summary, and named entities from any news article.

Enter Article URL
https://www.bbc.com/news/...

Analyze

https://www.bbc.com/news/articles/cly801q2pw7o

Deploy ⋮

Analyze

Analysis Complete!

Summary ↗

Indian town of Kolhapur has found itself in an unlikely global spotlight. Thousands of local artisans who hand-craft traditional leather footwear are mounting a collective attack on luxury fashion label Prada for plagiarising their designs without credit. Barely 5,000 artisans are still in the profession.

Overall Sentiment

Sentiment
NEGATIVE

Sentiment Breakdown:

POSITIVE	: 4
NEGATIVE	: 10

Deploy ⋮

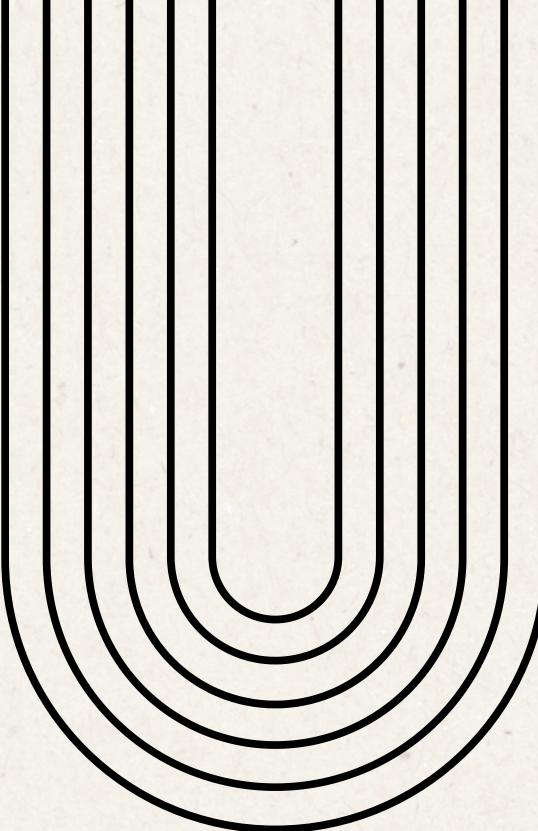
Top Named Entities

- Western Indian: 1 time(s)
- Kolhapur: 1 time(s)
- Prada: 1 time(s)
- Sadashiv Sanake: 1 time(s)
- Kolhapuri: 1 time(s)
- BBC: 1 time(s)

Download Results as JSON

Download Result

Tech Stack



Streamlit

Web Framework



**Hugging Face
Transformers**

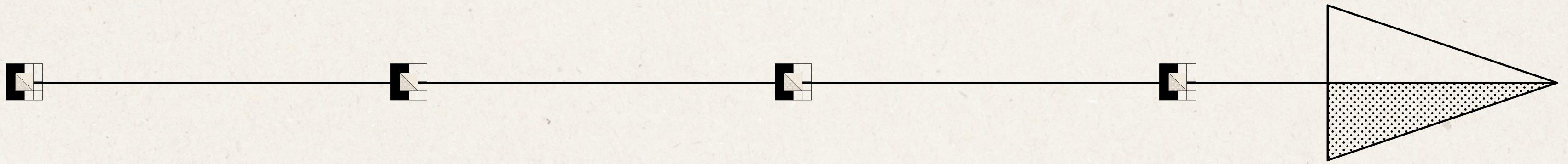
NLP Models



**Requests + Beautiful
Soup**

Web Scraping

Challenges and Learnings



1st Quarter

LHandling
Large files.

2nd Quarter

Stripping
virtual
environment
(venv)

3rd Quarter

Model Loading
Issues

4th Quarter

Deployment Errors

Thank you