

## Project Description

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SECTION: A

### **Category 2: Summarization (The "Productivity" Agents)**

#### **Topic: TL;DR for News Articles.**

Goal: Paste a long news article URL or text and get a small summary.

Tech: distilbart for speed.

This project focuses on building a TL;DR summarization system for news articles using Natural Language Processing (NLP) techniques. It allows users to input either a long news article URL or directly paste article text. When a URL is provided, the system automatically fetches and extracts the readable content from the webpage using web scraping techniques. The extracted or pasted text is then passed to a Hugging Face summarization pipeline powered by the DistilBART model, which is optimized for fast and efficient text summarization.

The project demonstrates practical applications of transformer-based models in real-world scenarios such as news consumption and information overload. By generating concise summaries from lengthy articles, the system helps users quickly understand the key ideas without reading the entire content. It also highlights important considerations such as handling web content limitations, preprocessing text, and producing readable outputs suitable for terminal or notebook environments.