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**🔍 News Analysis Web App**  
\*A Flask-powered NLP tool that detects fake news, generates 60-word summaries, and extracts key topics from articles.\*

**Key Features**

✔ **Fake News Detection** (Logistic Regression trained on Kaggle dataset)  
✔ **Smart Summarization** (60-word LSA summaries)  
✔ **Topic Modeling** (LDA for key themes)  
✔ **Web Scraping** (BeautifulSoup for URL extraction)  
✔ **Clean Web UI** (Bootstrap frontend)

**Tech Stack**: Python (Flask, Gensim, NLTK, scikit-learn) | HTML/CSS/JS

Perfect for journalists, researchers, or anyone combating misinformation!

**Why This Stands Out**

* **Precision Summaries**: Unlike generic tools, delivers *exactly* 60-word summaries
* **Transparent AI**: Shows spam probability scores
* **Easy Setup**: Detailed README with installation steps

Medium blog - <https://medium.com/@aditya.singh_71452/building-a-smart-text-analyzer-with-flask-machine-learning-and-nlp-6d6476b2c7b4>

Recording - <https://drive.google.com/drive/folders/1nTCpjAV6TFfTCBDE8hoz0mBZSIjOlstT?usp=sharing>