NewsLens AI-powered news search and summarization app built with FastAPI, BART transformer model, and GNews API. Fetches and summarizes news articles based on category and date.

Features Search news articles by keyword, category, and date

Summarizes articles using facebook/bart-large-cnn

Category filtering (Sports, Politics, Technology, etc.)

Clean, responsive UI (HTML + CSS)

Fast backend with FastAPI

Workflow:

Tech Stack Backend: FastAPI, Transformers, Newspaper3k, Requests

Frontend: HTML, CSS, JavaScript

API: GNews API

Model: facebook/bart-large-cnn

Installation bash Copy Edit

Clone the repository

git clone https://github.com/yourusername/newslens.git cd newslens

Install dependencies

pip install -r requirements.txt

Run the app

uvicorn media:app --reload --port 8002 Usage Open http://127.0.0.1:8002 in your browser

Enter a query, select date and category, and click Search News

Read AI-generated summaries instantly