

NewsGenie

An AI-Powered News and Information Assistant

NewsGenie is your AI-powered personal information and news assistant. Designed to help you stay informed in today's fast-moving world, NewsGenie allows you to:

- **Ask general knowledge questions** and receive clear, concise answers from trusted sources.
- **Verify the credibility of news articles**, detecting misinformation or bias using advanced AI and fact-checking tools.
- **Summarize complex news stories** into easy-to-digest highlights.
- **Track trending topics** across multiple media outlets, curated to your interests.
- **Engage in natural conversation** with an intelligent assistant that adapts to your needs.

Whether you're a casual news reader or a deep researcher, NewsGenie empowers you to make sense of the headlines—accurately, efficiently, and effortlessly.

News Genie

Type your input:

Was a new Pope elected yesterday?

Submit

Detected Choice:

News

Answer:

The news regarding Cardinal Robert Prevost being elected as Pope Leo XIV appears to be valid and is corroborated by multiple reputable sources. Here's a refined summary of the news:

Title: Cardinal Robert Prevost Elected as Pope Leo XIV

Date: May 8, 2025

Summary: Cardinal Robert Prevost, a Chicago-born cleric, has been elected as the new Pope of the Roman Catholic Church, taking the name Pope Leo XIV. This historic election marks him as the first pontiff from the United States. The announcement followed the conclave held at the Vatican, where cardinal electors gathered to choose the new leader of the Church. In his inaugural address, Pope Leo XIV expressed a message of peace, stating, "Peace be with all of you!"

Sources:

- [Al Jazeera](#)
- [Vatican News](#)

Features and Workflow

1. The user writes a question inside the “Type your input:” box
2. NewsGenie detects the choice and decides whether it is news or informational
 1. For example:
 1. “What is the capital of France” will be detected as an informational query
 2. “Was a new Pope elected yesterday?” will instead be detected as a news query
3. If the query is classified as informational, NewsGenie answers the question with a direct ChatBot call (the app uses gpt-4o-mini)
4. If the query is classified as news:
 1. NewsGenie calls a search API to surf the web for an answer
 2. The output is validate by a subsequent ChatBot call that checks the validity against fake news and then refines and summarizes the answer

Installation Instructions

1. Create conda environment
 1. `conda create -n news-genie-env python=3.10`
 2. `conda activate news-genie-env`
2. Install requirements
 1. `pip install -r requirements.txt`
3. Add Open AI key to .env file
 1. `echo “OPENAI_API_KEY=your-openai-key” >> .env`
4. Add Serper API key to .env file
 1. `echo “SERPER_API_KEY=your-serper-api-key” >> .env`
5. Launch application:
 1. `streamlit run app.py`