

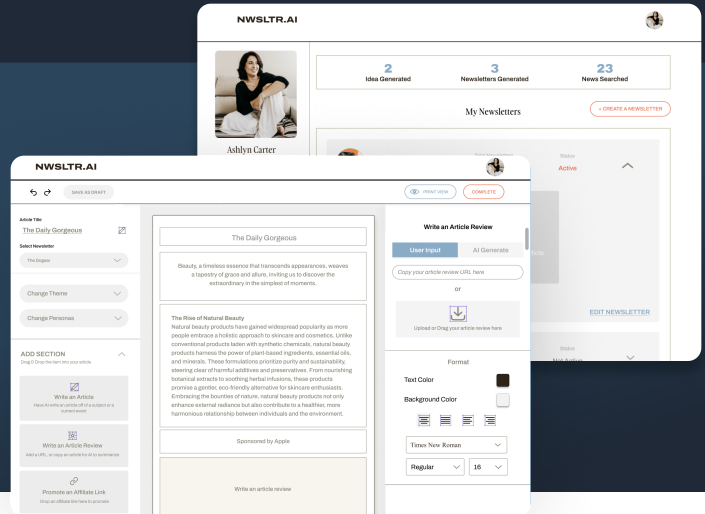
# Autonomous AI Newsletter

CLIENT

Nwsltr.ai

TASK TYPE

Summarization



## INTRODUCTION

This case study explains the development and deployment of an autonomous AI newsletter system. This system utilizes AI technologies to search for relevant articles from Google News, extract the content using web scraping techniques, summarize the articles using GPT-3 and provides email functionality to distribute the summarized articles to a list of subscribers.

## SYSTEM COMPONENTS & FUNCTIONS

### Article Search

The system begins by searching for articles. Utilizing the Google News API, the system seeks articles relevant to given keywords.

### Scraping & Summary

The system scrapes the complete content from each article and employs GPT-3 to generate succinct summaries

### Title Generation

To ensure each summarized article is captivating, the system generates an engaging title

### Email List-serv Integration

Email functionality is integrated into the system to send the curated and summarized articles to a email listserv of subscribers. This feature requires a CSV file of email recipients.

## SYSTEM OPERATION

The AI newsletter works in 3 main steps:

1

### ENTER KEYWORD

The user enters a keyword or topic of interest into the newsletter interface. The system then begins a search on Google News using the keyword.

2

### OBTAIN ARTICLES

The system retrieves the top 10 articles related to the entered keyword. It then extracts the full content of each article using web scraping techniques.

3

### SEND TO LISTSERV

The user can upload a CSV to send the newsletter with the articles, generated summaries and titles, to an email list-serv with a click of a button.

## PREMIUM FEATURES

- 1. Automated Sending:** The system provides the capability to automate the sending of the newsletters.
- 2. Custom Sender:** Send from their specific email address, providing a personalized touch to their communications.
- 3. Extended Data Sources:** The system can retrieve and summarize news from additional data sources apart from Google News

## CONCLUSION

The Autonomous AI Newsletter, armed with cutting-edge AI technologies, promises an efficient and enhanced method of distributing curated news content. It brings together the power of Google News search, advanced web scraping, GPT-based text summarization, and seamless email functionality. With further advancements in the form of customization features and premium functionalities, this system illustrates the transformative potential of AI in redefining how we discover, distill, and disseminate information in a personalized, user-centric manner.

## Contact