

**RELIABLE  
INFO**

# News

**REAL  
NEWS**

24th. EDITION

CSCE670:SHOWCASE

# THE BATTALION

**CODE MAROON : GLOBAL EDITION**

## BIG NEWS

Did you know that Code Maroon can detect crisis situations?

Our app can gather information from multiple sources and detect subtle changes in data to help authorities respond effectively during emergencies.



College Station TX - In the wake of natural disasters and other crises, first responders and relevant authorities are often faced with the daunting task of gathering and verifying information from multiple sources.

However, a new app called Code Maroon Global Edition aims to make this process easier and more efficient.

CMGE is designed to provide reliable information to first responders and relevant authorities during crises.

# The Daily News

## CODE MAROON

### HEADLINE

The headline is a short summary of the news article, which is extracted from the source text. It provides essential context for fact-finding and helps users understand the content of the article quickly.

### SOURCE TYPE

The source type is classified into several categories, including Twitter, Reddit, Facebook, and News. This classification helps in weighting the reliability of the sources, as different types of sources have different levels of credibility.

### SOURCE.TEXT

The source text is the entire article that contains the headline. It is stored in the JSON object and can be accessed for in-depth analysis and fact extraction.

### UNIX TIMESTAMP

The Unix timestamp is a time code that represents the number of seconds that have elapsed since January 1, 1970. It is used to filter the data and identify the most recent information.

```
{
  "doc_id": "CrisisFACTS-008-News-14-0",
  "event": "CrisisFACTS-008",
  "heading": "RICHMOND, Va. (WWBT) - Hurricane Sally is expected",
  "source": {
    "url": "https://www.nbc12.com/2020/09/11/tropical-depress",
    "title": "Sally strengthens into a hurricane",
    "text": "RICHMOND, Va. (WWBT) - Hurricane Sally is expected",
    "authors": [],
    "published_date": "2020-09-11 00:00:00",
    "top_image": "https://gray-wwbt-prod.cdn.arcpublishing.co",
    "videos": [],
    "keywords": [],
    "summary": "",
    "unixTimestamp": 1599778800
  },
  "source_type": "News",
  "unix_timestamp": 1599778800
}
```

*Example Source Data Object*

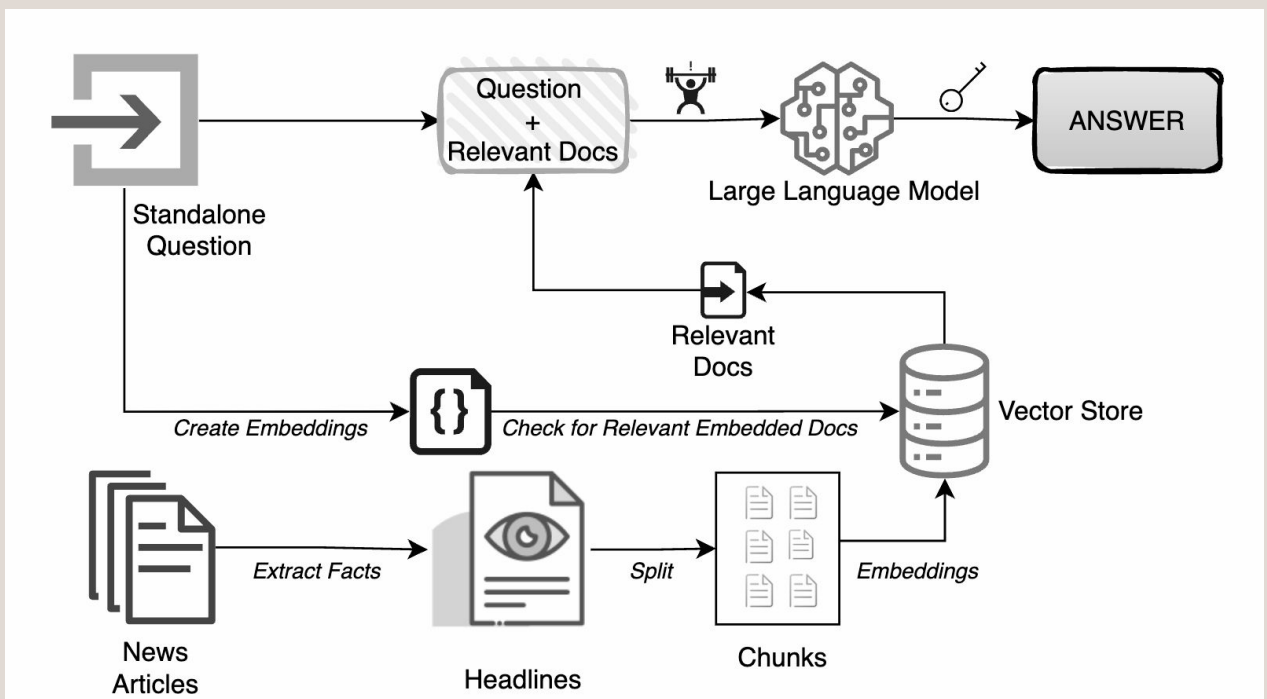
## HOW DOES INPUT DATA LOOK?

The data contained in the Code Maroon Global app is organized in JSON objects, which contain information about each headline. These objects include a second JSON with details about the source of the headline, such as the name of the publication, the author, and the date of publication.

By organizing the data in this way, Code Maroon Global is able to efficiently process large amounts of information, quickly extract the key facts, and provide accurate answers to users' questions during times of crisis. The structured format of the data allows the app to perform complex search queries, filter results based on specific criteria, and rank the relevance of the results.

## HOW DOES IT WORK?

Code Maroon Global Edition uses a variety of models, including Roberta, T5, and OpenAI, to ensure fast and accurate information delivery.



## Code Maroon Global Edition: AI Crisis Management App

### Real-Time Answers from News Articles with AI Technology

Houston, TX - Code Maroon Global Edition is an AI-powered crisis management app designed to provide accurate and reliable information during emergencies.

The app processes news articles from across the nation and extracts key facts, which are stored in a vector database. When a user asks a question, the app finds the embedding of the question.

It further conducts similarity search to find the top headlines that could provide an answer. These headlines are then passed to a large language model, which generates a real-time answer.

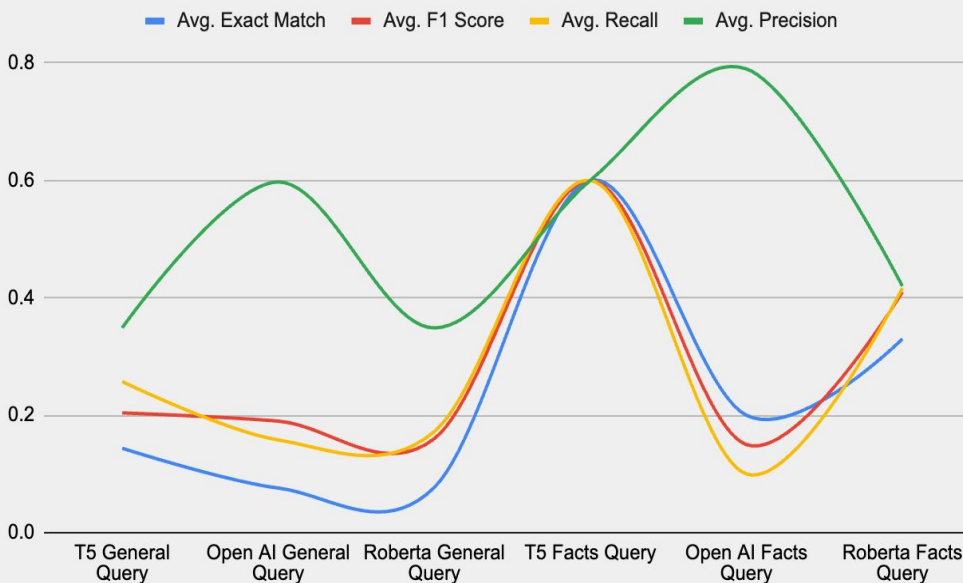
ROBERTA

FLAN T5

OPENAI

# Code Maroon : Results

## FLAN T5 Outperforms Roberta and Open AI



In a series of experiments, CMGE tested three different language models, including Roberta, Open AI, and T5, to determine which was the most effective at finding information in a range of different search queries. The results showed that T5 outperformed both Roberta and Open AI in general search queries, providing the most accurate and relevant results overall. However, when it came to finding specific facts, T5 was the clear standout, followed by Open AI and then Roberta.

**Code Maroon Global's experimentation reveals T5 to be a standout performer in finding facts.**

# THE DAILY NEWS.

## CODE MAROON : Product Launch

### Revolutionizing Fact-Finding!

Are you tired of endless searching on the internet for information, only to be confronted with conflicting and confusing results? Look no further than Code Maroon Global's exciting new app, set to revolutionize the way we find and understand information online.

#### READY FOR DEMO?

Get ready to witness the power of Code Maroon Global Edition during our demo! We'll show you how our app can quickly separate fact from fiction in the news, leaving no room for fake news to spread. As Aggies, we know the importance of being trustworthy and reliable, and that's exactly what our app delivers. So come BTHO fake news with us and see the future of news search in action!



### THANK YOU - GIG 'EM

Thank you for considering our project and taking the time to learn more about Code Maroon Global Edition. We are excited to continue developing and improving our platform, and we appreciate your support in helping us combat fake news and provide accurate information during times of crisis.

- Team Code Maroon