

User Usage Guide - News Article Chatbot

A Retrieval-Augmented Generation (RAG) based chatbot that scrapes news articles from major Bangladeshi news outlets, processes them with advanced text chunking techniques, and provides intelligent responses to user queries about current events using local LLM inference.

Table of Contents

- [Getting Started](#)
 - [Interface Overview](#)
 - [Setting Up Your First Session](#)
 - [Query Types & Examples](#)
 - [Quick Tips](#)
-

Getting Started




What is this chatbot?

The Bangladesh News RAG Chatbot helps you explore and analyze news from major Bangladeshi outlets:

- **Prothom Alo**
- **The Daily Star**
- **BDNews24**

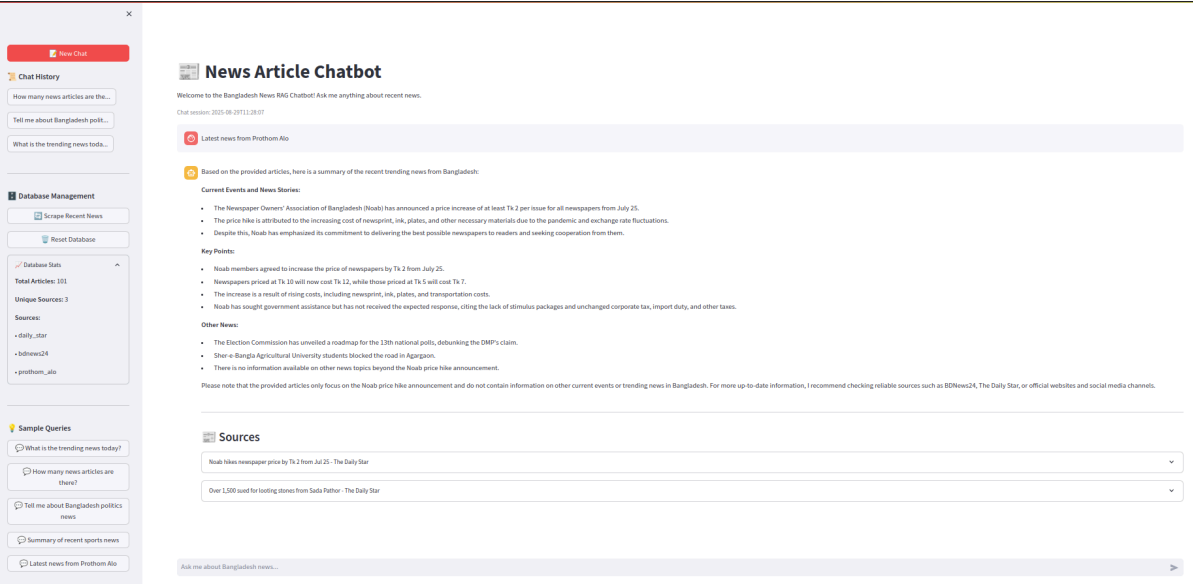
Ask questions in natural language and get AI-powered responses based on the latest news articles.

Before you start:

-  Application is running in your browser
 -  You have internet connection
 -  Modern web browser (Chrome, Firefox, Safari, Edge)
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Interface Overview

Main Layout




Screenshot: Main interface of the News Article Chatbot

Sidebar Buttons

Button	What it does	When to use it
 Scrape Recent News	Gets latest articles from news sites	First time using, or daily for fresh news
 New Chat	Start a new conversation	When changing topics completely
 Database Stats	Shows how many articles you have	Check if you have enough news data
 Reset Database	Deletes all articles (ask for confirmation)	If you want to start fresh

Setting Up Your First Session

Step 1: Get News Articles

1. Click " Scrape Recent News"
2. **Wait for it to finish** (usually 2-5 minutes)

You'll see progress messages like:

```
scraping news articles...
This may take a few minutes.
✅ Scraped 101 articles!
Indexing articles...
```

3. **Check your data** - Look at " Database Stats":

Database Statistics

- Total Articles: 101
- Unique Sources: 3
- Sources:
 - daily_star
 - prothom_alo
 - bdnews24

Step 2: Test It Out

Try asking: **"How many articles do you have?"**

If you get a good response with numbers, you're ready to go! 🎉

Query Types and Examples

1. Article Counts

Find out what data is available

Ask things like:

"What is the trending news today?"
"Tell me about Bangladesh politics news"
"Latest news from Prothom Alo"
"Summary of recent sports news"
"How many articles are there?"

You'll get responses like:



News Article Chatbot

Welcome to the Bangladesh News RAG Chatbot! Ask me anything about recent news.

Chat session: 2025-08-30T23:04:48



Latest news from Prothom Alo



The latest news from Prothom Alo is as follows:

Summary: The latest news from Prothom Alo includes reports on the "Complete Shutdown" at Bangladesh University of Engineering and Technology (BUET), the Dhaka University Central Students' Union (DUCSU) election, and the upcoming parliamentary election.

Key points:

- The "Complete Shutdown" at BUET continues, with students announcing a graffiti campaign on campus to protest the police attack on BUET students.
- The Engineering Rights Movement platform has called for a shutdown at BUET and all engineering universities across the country.
- BUET student Abrar Fayaz has announced that the university will observe the shutdown until further notice.
- The DUCSU election campaign is underway, with Umama Fatema's Swatantra Shikhharti Oikya panel paying tribute to martyrs of the Liberation War and receiving positive responses from students.
- The panel's candidate for general secretary, Al Sadi Bhuiyan, is a well-recognized figure on campus due to his involvement in journalism and other activities.
- The Chief Adviser's Press Secretary, Shafigul Alam, has reiterated that the next parliamentary election will be held in the first half of February 2026 and that no force will be able to obstruct the polls.

Additionally, there are no reports on the Middle East in Prothom Alo on August 30, 2025.



Sources

› "Complete Shutdown" continues at BUET, students announce graffiti programme today - prothom_alo

› DUCSU election: strength and challenges of Umama's panel - prothom_alo

› Middle East - bdnews24

› No force can obstruct polls in first half of February '26: Shafigul Alam - prothom_alo

› BNP's Salahuddin rejects PR system - daily_star

Ask me about Bangladesh news...



Quick Tips


✅ Good Questions:

- Use simple, clear language
- Ask one main thing at a time
- Include relevant keywords
- Be specific about topics you want

❌ Avoid:

- Very long, complicated questions
- Multiple unrelated topics in one question
- Very technical jargon

🔄 If You Don't Get Good Results:

1. Try simpler words
2. Check if you have enough articles ( Database Stats)
3. Scrape recent news ( Scrape Recent News)
4. Start a new chat ( New Chat)

That's it! You're ready to explore recent news with AI assistance. 🚀

Need fresh news? Remember to click "  Scrape Recent News" daily for the latest articles.