

# Fact-Checking Dashboard (PoC)



**Lightweight AI-Based Tool for  
Verifying News/URL Credibility.**

Team Name :- Byte IT



# Problem Statement 4

Fake Narrative: Internet is used for spreading fake narrative by spreading fake news and deep fake videos (using AI). Suggest a technical solution (or algorithm) for flagging deep fake videos circulating on internet and also a technical solution for highlighting fake news.



## The Need for Fact-Checking

<b>Rapid spread of misinformation on digital platforms.</b>	<b>Difficulty for users to verify news/link credibility.</b>	<b>Importance of combating fake news for informed decisions.</b>	<b>The need for a tool that shows how many others are searching for the same news, to help users gauge its relevance and authenticity.</b>
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# Solution Overview Architecture/Workflow

## Introducing the Fact-Checking Dashboard

01

Input: User enters headline/URL.



02

NLP processing:  
Sentiment and  
keyword analysis.



03

Database/API  
integration for  
verification.



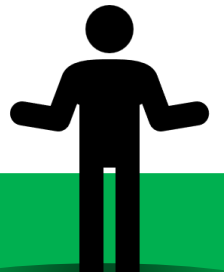
04

**Community Insights:**  
Track searches from  
multiple users for the  
same news item.



05

Output: Credibility  
score + source  
suggestions +  
community search  
data.



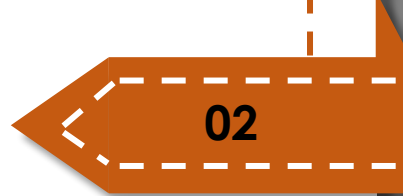




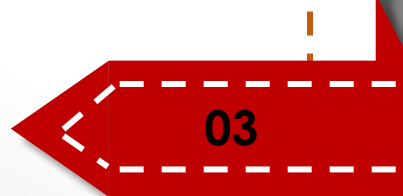
# Technology Stack



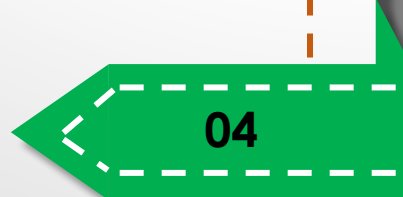
**Backend:** Python (Flask/Django)



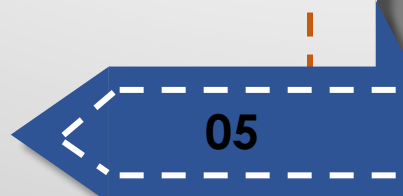
**NLP:** Hugging Face Transformers



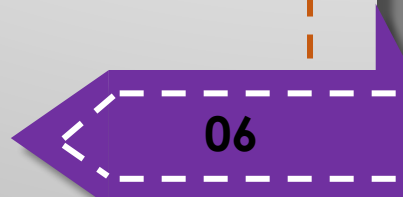
**APIs:** Google Fact-Check Explorer, Credible Sources API



**Frontend:** React.JS/Next.Js



**Database:** MongoDB



**Community Tracking:** Use of a database to track and show the number of searches for each piece of news.

# Output and Features

## Content:

- Credibility score with confidence level.
- Suggested verified sources.
- Lightweight, user-friendly interface.
- Real-time feedback on news authenticity.
- **Community Insights:** If many people search for the same news or link, users will see a notification indicating that others have searched for it too, providing a sense of community awareness and relevancy.





# Conclusion & Future Scope



**Impact:** Empowering users to combat misinformation with credible sources and community insights.

## Future Scope:

- Multi-language support.
- Mobile app version.
- Advanced AI models for enhanced accuracy.
- Enhanced community insights (e.g., region-based trends).

**Call to action:** Feedback and collaboration opportunities.

# Team Introduction:

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UI Link :- <https://v0-fact-checking-dashboard-8sppzl.vercel.app/>

Github :- <https://github.com/arnvjshi/Fact-Checking-Dashboard>

