INSIGHT STREAM: NAVIGATE THE NEWS LANDSCAPE

Project Documentation

1.Introduction

Team leader name:

KIRUTHIKA R:202400601@sigc.edu

Team Members name:

JAYA VARSHINI.J-202400508@sigc.edu

JERINA PRIYADHARSHINI.J-202400855@sigc.edu

KAVIKA V-202400574@sigc.edu

2. PROJECT OVERVIEW

To develop a dynamic and intelligent news platform that helps users navigate today's overwhelming and often polarized news ecosystem by offering context, credibility indicators, and personalized insights.

Features:

- Political bias meter (left, center, right) for each article/source.
- Source reliability rating based on third-party audits (e.g., Media Bias/Fact Check).
- Fact-check tag integration (e.g., PolitiFact, Snopes).
- Al-driven bias detection for subtle framing or emotional language.

3.Architecture:

Assuming its goal is something like:

- Collect & stream news from many sources
- Process and "navigate" through them: filter, classify, cluster, visualize, find insights/trends

- Possibly personalised or thematic (topics, geography, bias, ownership)
- Provide UI/UX to explore the "news landscape" in real time or for historical time

Step of instruction

•	Trend detection: e.g. automatically detect sudden rises in topic mentions, detect
events	
• sentim	Bias / source comparison: how different outlets cover same event (tone, nent, framing)
•	Topic drift over time: how a topic evolves
•	Credibility scoring: integrate fact-checking or use external databases
•	Summarization: generate short summaries or "TL;DR"s for clusters of articles
•	User personalization: recommending based on reading history, topics of interest
Folder	structure
Gitino	re
Packa	ge
Packa	ge-lock
READI	ME
Public	
Favico	n
Index	
Logo1	92
Logo5	12
Manife	est
Robots	S
Src	
Арр	
App.js	
App.te	st.js
index	
index.j	is .

logo
reportWebVitals.js
setupTests.js
components
context
pages
styles
6.running the application
Frontend
Npm start
Runs the development server locally

7.component documentation

- Connect to APIs (RSS feeds, newswire APIs, social platforms).
- Handle scraping when APIs are unavailable.
- Normalize input formats.
- Push raw content into message queues for downstream processing.

8.statement management

- Managing the lifecycle of news articles ("statements" of information).
- Includes ingestion, storage, updates, versioning, archiving.
- Ensures traceability of each news item → source, date, transformations applied

9.user interface

- Trend graphs: topic popularity over time.
- Geo maps: where events are happening, source country.
- Network graphs: relationships between entities, sources, events.