IMPARTIAL NEWS

T2324

Impartial News
OVERVIEW

"If you aren't careful, the newspapers will have you hating the people who are being oppressed and loving the people who are doing the oppressing"

- Malcolm X

Our Aim:

- The aim of Impartial News is to make political bias known to the readers before they read the article to help them understand the real motivation behind the news they read.
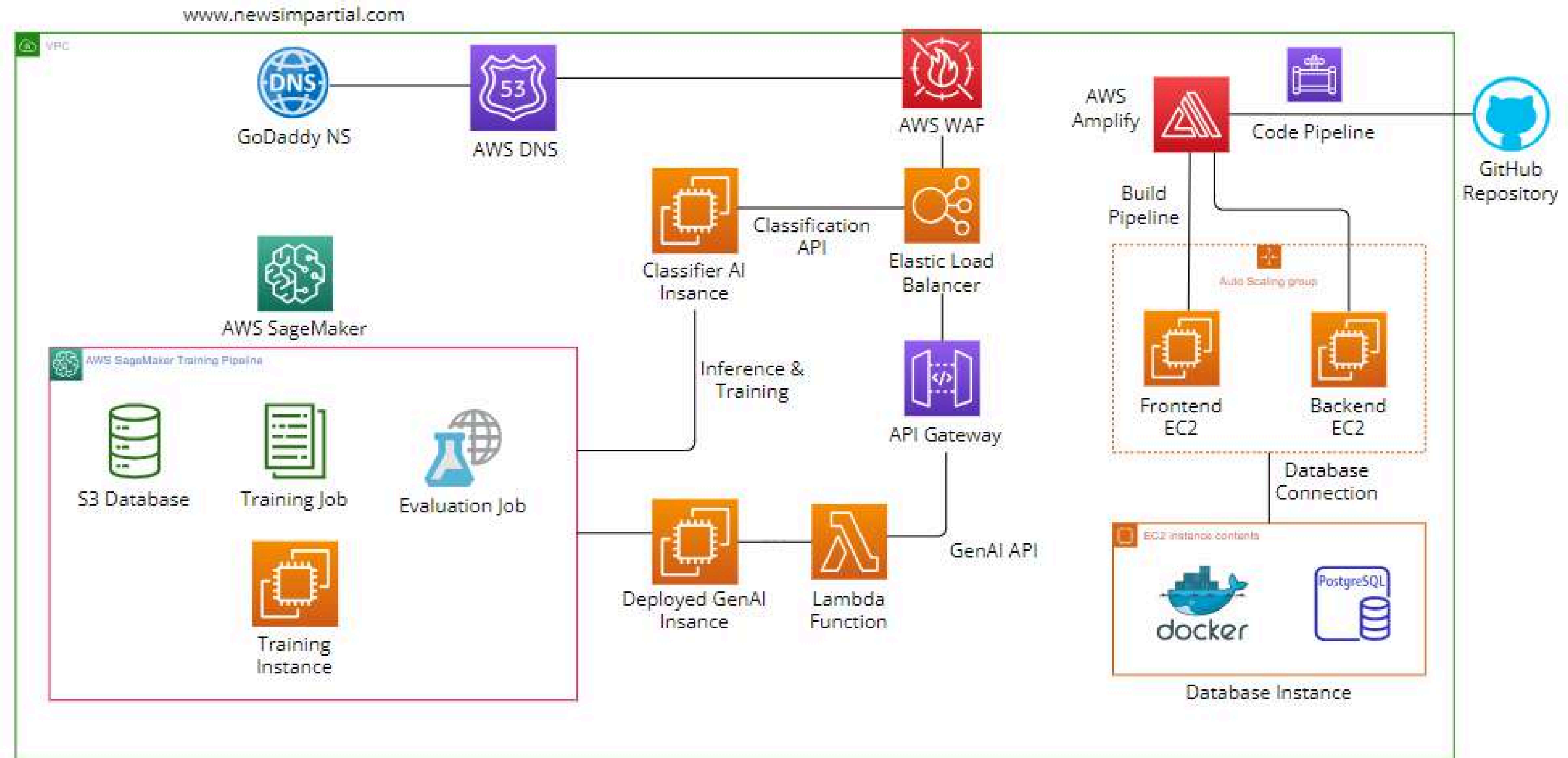
Our Innovations:

- Some similar websites exists that provide political bias classification but they are not automated. Impartial News provide political bias classification using ensemble learning. 4 different models vote to classify the articles.

- Impartial News also provide an article bias converter using Llama 3 based genAI. The aim of this service is to help readers understand other viewpoints.

PROJECT PLAN & PROGRESS

The project is currently finished and hosted at https://www.newsimpartial.com/. Research, design, frontend development and backend development phases are over. However, Classifier and GenAI functionality can still be further optimized.

Impartial	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Backend	███	███	███	███	███	███	███		
Frontend	███	███	███	███	███	███	███		
Classification		███				███	███	███	
Data Collection			███	███	███				
Scraper			███						
Gen-AI Research	███	███	███	███					
Gen-AI Implementation					███	███	███		
Testing								███	
Debugging								███	

Detailed
DIAGRAM

Project
STATUS

56%

Headline Classification Accuracy

Sample test case was 32 random samples (10 or 11 of each). 18 of them were classified correctly.

69%

Classification Accuracy (From first paragraphs)

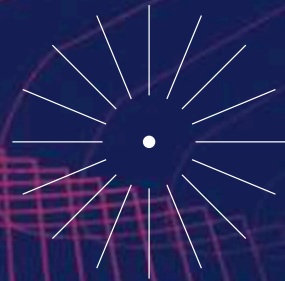Sample test case was 32 random samples (10 or 11 of each). 22 of them were classified correctly.

78%

Classification Accuracy

Sample test case was 32 random samples (10 or 11 of each). 25 of them were classified correctly.
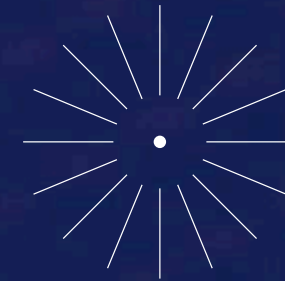
The Demo

Benefits

Access to news articles from all perspectives

Seeing news articles' bias reasoning along with their side

Being able to classify and generate custom classifications & texts

Challenges

- **Struggles with Gen-AI models: Bloom, LLama 2/3**

- **UI responsiveness**

- **AWS problems**

- **News API**

- **Ground truth**

"To err is human"

-Alexander Pope

What We Learned

Teamwork efficiency

Effective communication

How to overcome difficulties

Planning long-term & comprehensive project