Blackcoffer Assignment
Visualization Dashboard

Github Repo Link

https://github.com/abhijeet-Bh/blackcoffer-assignment
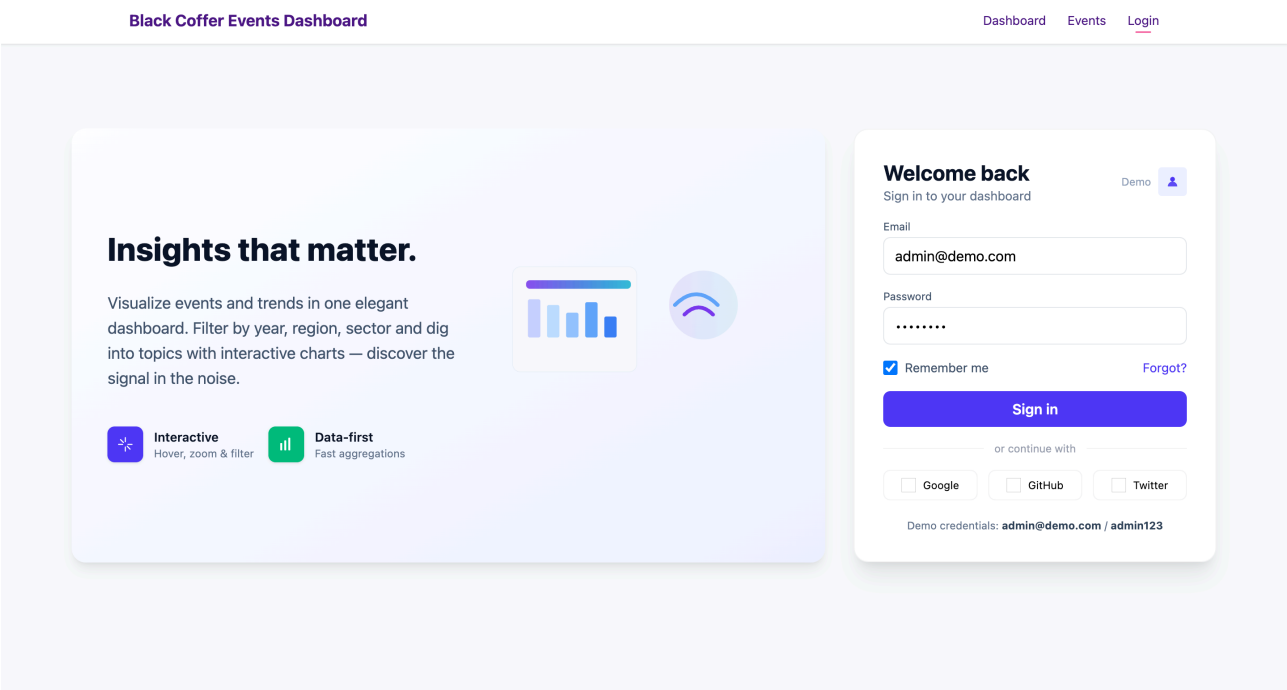
TechStacks

Frontend:

- ReactJs - v19.2.0
- Vite - v7.2.4
- D3.js - v7.9.0
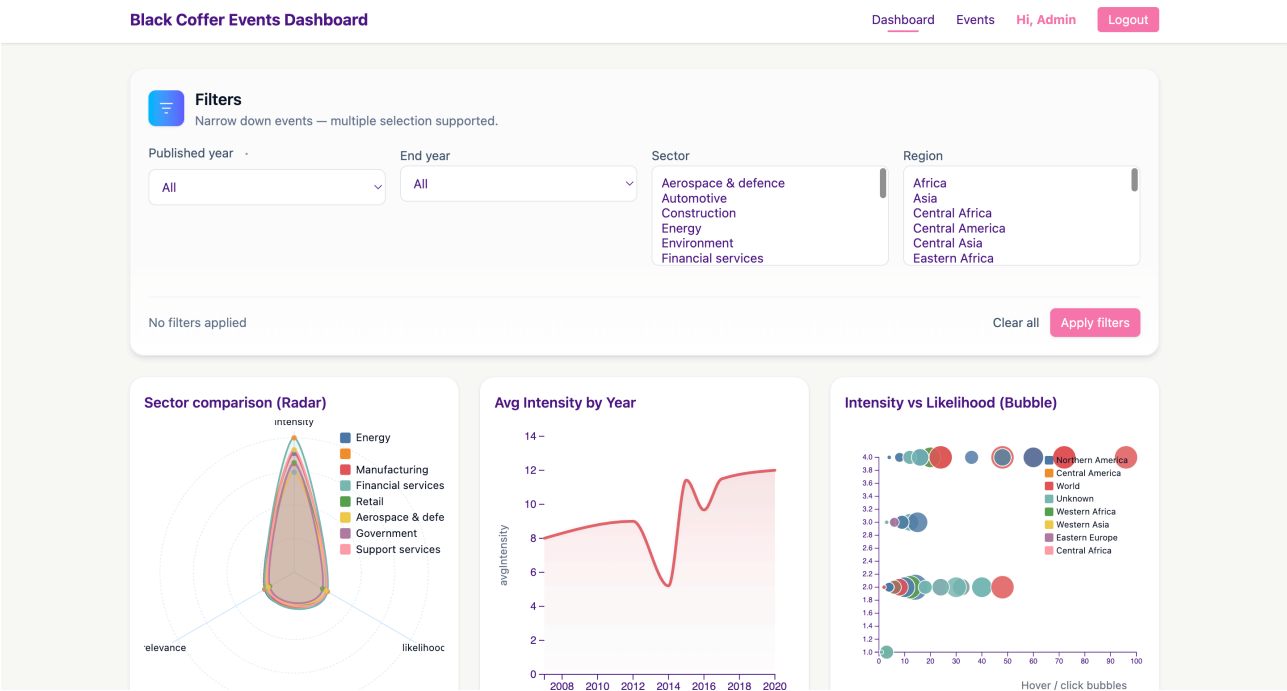- Tailwind CSS - v4.1.17
- React Router Dom - 6.30.2

Backend:

- Django - v5.1
- Django Rest Framework
- PyMongo
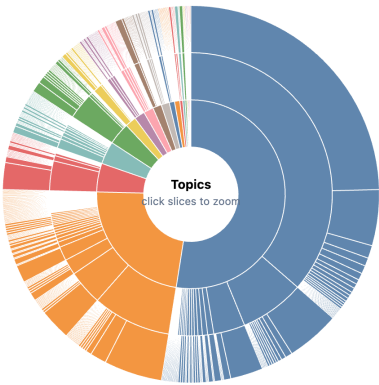- MongoDB

Screen Shots

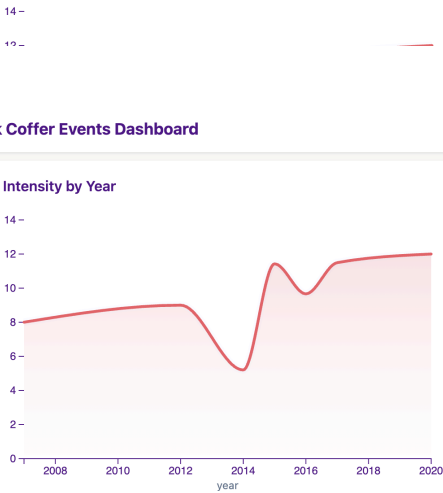## 1. Login Page

2. Dashboard Page

0
2008 2010 2012 2014 2016 2018 2020
year

10 20 30 40 50 60 70 80 90
Hover / click bubbles

Topics breakdown (Zoomable Sunburst)

Zoom out   No selection

Topics
click slices to zoom

Avg Intensity by Year

14 –
12 –

Show: 5

Top 5 topics

Avg Intensity by Year

14 –
12 –
10 –
8 –
6 –
4 –
2 –
0 –
2008 2010 2012 2014 2016 2018 2020
year
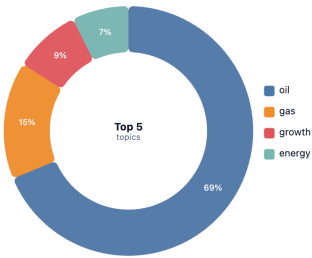
avgIntensity

Top 5 topics

Show: 5

7%
9%
16%
69%

Top 5
topics

- oil
- gas
- growth
- energy
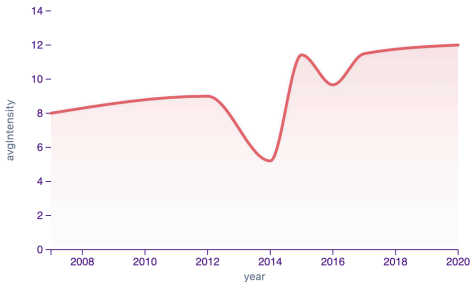
Intensity vs Likelihood

4.0
3.5
3.0
2.5
2.0

2.0
1.5
1.0
0.5
0.0
0   10   20   30   40   50   60   70   80   90   100

Avg Intensity by Year

14 –
12 –
10 –
8 –
6 –
4 –
2 –
0 –
2008 2010 2012 2014 2016 2018 2020
year

avgIntensity

Country counts

United Stat...	112
Russia	25
China	24
Iran	19
India	19
Saudi Arabia	18
Iraq	11
Libya	10
Indonesia	9
Japan	7
Canada	6
Nigeria	6

0   20   40   60   80   100   120
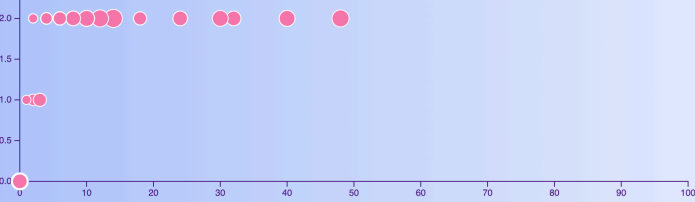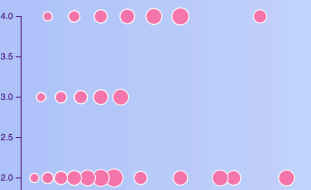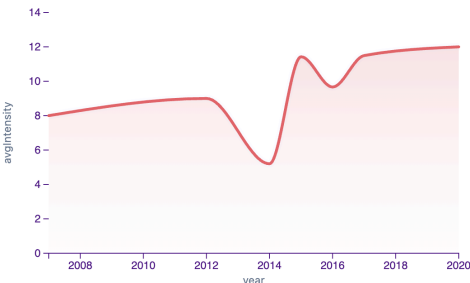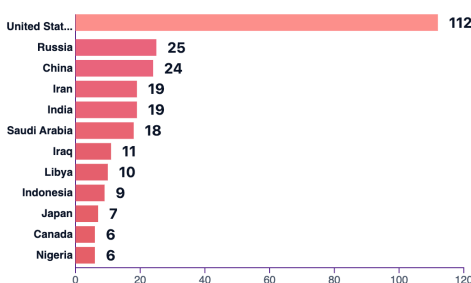
3. Events Page

Black Coffer Events Dashboard   Dashboard   Events   Hi, Admin   Logout

Filters
Refine events by year, region, sector or search text.

Search | Published year | End year | Sector | Region
Search title or insight... | All | All | Select sectors | Select regions

No filters applied   Reset   Apply

India will require up to 329 MMt of oil products annually by 2030. | 2020 | ↗ Open | Copy link
Indian Oil plans USD5.5 B expansion of refinery co-owned by Iran | | | India
Topic: oil   Region: Southern Asia   Source: MRC | | | Energy
PEST: Industries
12 Intensity 3 Likelihood 4 Relevance 📅 November

Global logistics robots market is expected to grow to around $11.18 billion in 2022. | 2017 | ↗ Open | Copy link
21 research reports forecast double-digit growth for robotics industry | | | Information Technology
Topic: robot   Region: World   Source: therobotreport
PEST: Economic
72 Intensity 4 Likelihood 6 Relevance 📅 January

Hydrogen as a fuel could be penetrating the market in 2020. | 2017 | ↗ Open | Copy link
Biofuels Conference 2017 | | | —
Topic: market   Region: — | | | Aerospace & defence
Source: 4th Annual Congress and Expo on Biofuels and

Mars, Unilever, Cargill and Mondelēz are already using GFW Commodities to assess deforestation risks in their palm oil, soy and cocoa supply chains across a collective area of | 2017 | ↗ Open | Copy link
| | | Mexico
| | | Environment

4. Events when filters are applied

Black Coffer Events Dashboard   Dashboard   Events   Hi, Admin   Logout

Filters
Refine events by year, region, sector or search text.

Search | Published year | End year | Sector | Region
Search title or insight... | 2020 | All | Select sectors | Select regions

Active filters: Published:2020   Reset   Apply

India will require up to 329 MMt of oil products annually by 2030. | 2020 | ↗ Open | Copy link
Indian Oil plans USD5.5 B expansion of refinery co-owned by Iran | | | India
Topic: oil   Region: Southern Asia   Source: MRC | | | Energy
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