

Blackcoffer Assignment

Visualization Dashboard

Github Repo Link

<https://github.com/abhijeet-Bh/blackcoffer-assignment>

TechStacks

Frontend:

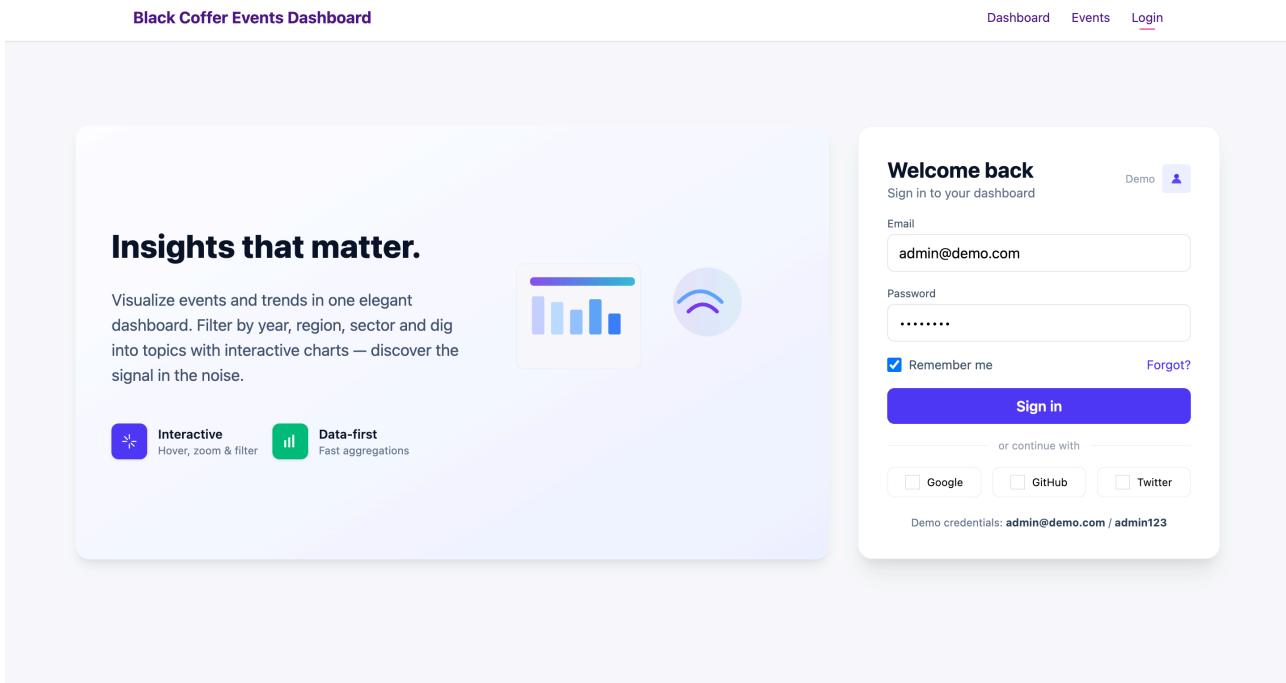
- ReactJs - v19.2.0
- Vite - v7.2.4
- D3.js - v7.9.0
- Tailwind CSS - v4.1.17
- React Router Dom - 6.30.2

Backend:

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

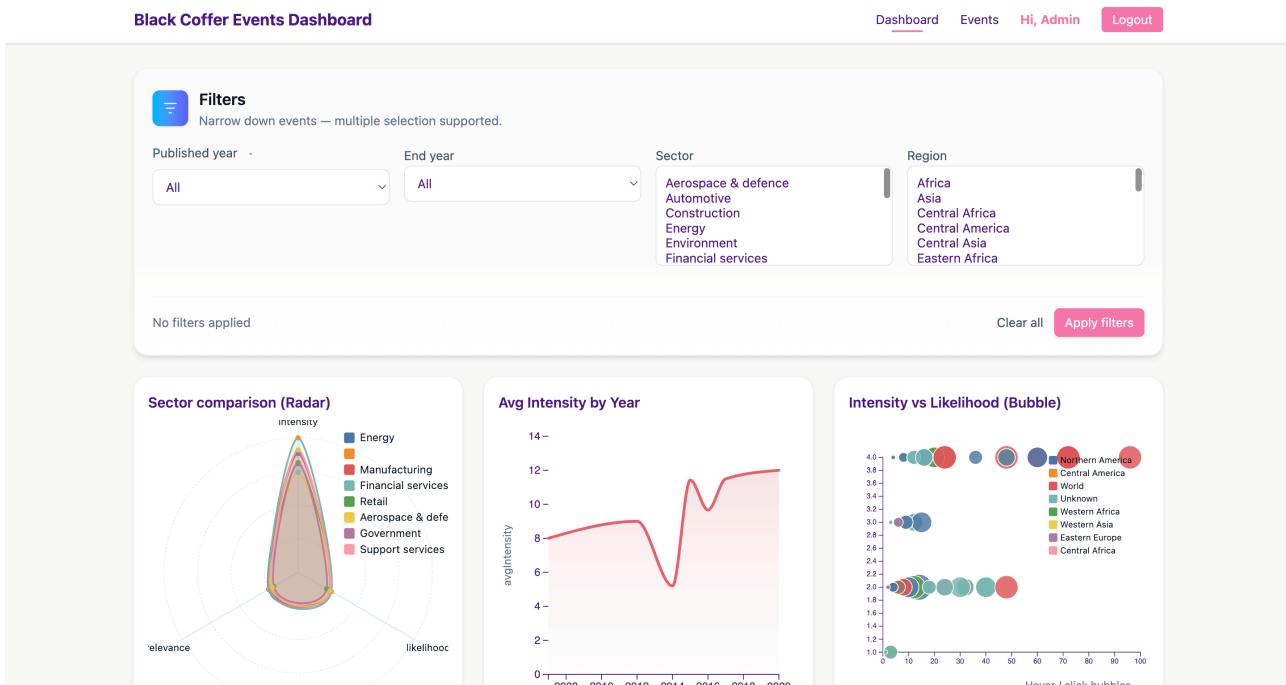
Screen Shots

1. Login Page



The screenshot shows the login page of the Black Coffer Events Dashboard. At the top, there is a navigation bar with links for 'Dashboard', 'Events', and 'Login'. The 'Login' link is underlined, indicating it is the active page. The main content area features a large heading 'Insights that matter.' and a sub-section describing the dashboard's purpose: 'Visualize events and trends in one elegant dashboard. Filter by year, region, sector and dig into topics with interactive charts — discover the signal in the noise.' Below this text are two buttons: 'Interactive' (with a bar chart icon) and 'Data-first' (with a bar chart icon). To the right of the text are two small charts: a bar chart with blue bars and a line chart with a blue line. On the far right, there is a 'Welcome back' section for a user named 'Demo'. It includes a sign-in form with fields for 'Email' (admin@demo.com) and 'Password' (redacted). There is a 'Remember me' checkbox, a 'Forgot?' link, and a large blue 'Sign in' button. Below the sign-in form are links for 'or continue with' and social media logins for Google, GitHub, and Twitter. A note at the bottom right provides demo credentials: admin@demo.com / admin123.

2. Dashboard Page

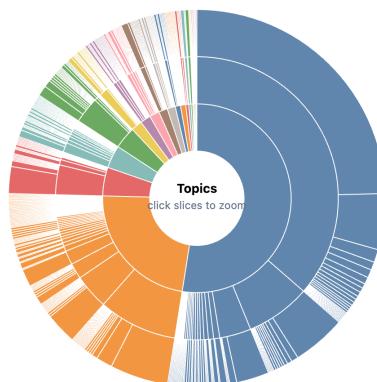


The screenshot shows the main dashboard page of the Black Coffer Events Dashboard. At the top, there is a navigation bar with links for 'Dashboard', 'Events', and 'Hi, Admin' (which is underlined, indicating it is the active page), and a 'Logout' button. The main content area is divided into several sections. On the left, there is a 'Filters' section with dropdown menus for 'Published year' (All), 'End year' (All), 'Sector' (Aerospace & defence, Automotive, Construction, Energy, Environment, Financial services), and 'Region' (Africa, Asia, Central Africa, Central America, Central Asia, Eastern Africa). Below these filters is a note: 'No filters applied' and buttons for 'Clear all' and 'Apply filters'. In the center, there are three main charts: 1) 'Sector comparison (Radar)' showing a radar chart with sectors like Energy, Manufacturing, Financial services, Retail, Aerospace & def, Government, and Support services. 2) 'Avg Intensity by Year' showing a line chart of average intensity from 2008 to 2020. 3) 'Intensity vs Likelihood (Bubble)' showing a bubble chart where the x-axis is 'Hover / click bubbles' and the y-axis is 'Intensity'. The legend for the bubble chart includes categories like Northern America, Central America, World, Unknown, Western Africa, Western Asia, Eastern Europe, and Central Africa.

0 2008 2010 2012 2014 2016 2018 2020
year

Hover / click bubbles

Topics breakdown (Zoomable Sunburst)



Zoom out No selection

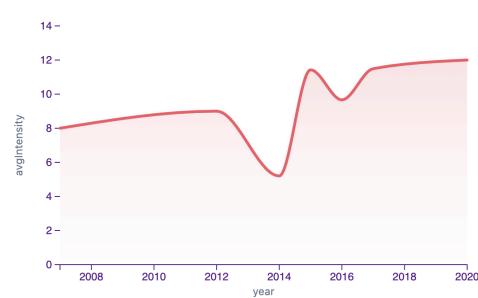
Avg Intensity by Year

14 --
12 --
10 --
8 --
6 --
4 --
2 --
0 --

Black Coffer Events Dashboard

Top 5 topics

Show: 5



Top 5 topics

Show: 5

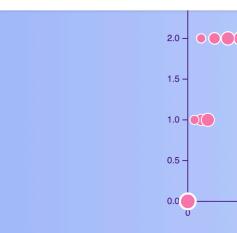
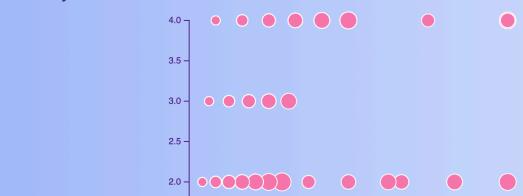
Top 5 topics

Show: 5

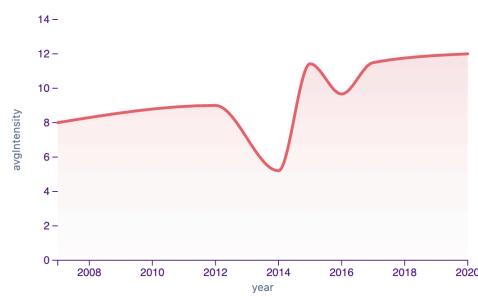
Top 5 topics

Show: 5

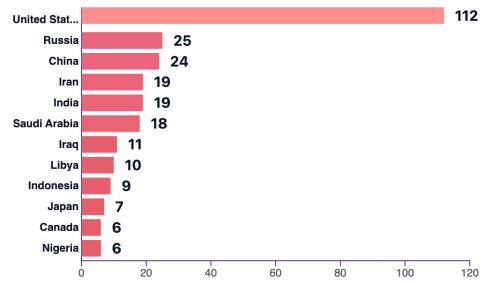
Intensity vs Likelihood



Avg Intensity by Year



Country counts



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

Indian Oil plans USD5.5 B expansion of refinery co-owned by Iran

Topic: oil Region: Southern Asia Source: MRC

PEST: Industries

12 Intensity 3 Likelihood 4 Relevance November

Open **Copy link**

India Energy

Global logistics robots market is expected to grow to around \$11.18 billion in 2022. 2017

21 research reports forecast double-digit growth for robotics industry

Topic: robot Region: World Source: therobotreport

PEST: Economic

72 Intensity 4 Likelihood 6 Relevance January

Open **Copy link**

Information Technology

Hydrogen as a fuel could be penetrating the market in 2020. 2017

Biofuels Conference 2017

Topic: market Region: —

Aerospace & defence

Open **Copy link**

Source: 4th Annual Conference and Forum 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

Indian Oil plans USD5.5 B expansion of refinery co-owned by Iran

Topic: oil Region: Southern Asia Source: MRC

PEST: Industries

12 Intensity 3 Likelihood 4 Relevance November

Open **Copy link**

India Energy

Next **Last** Show 12 per page