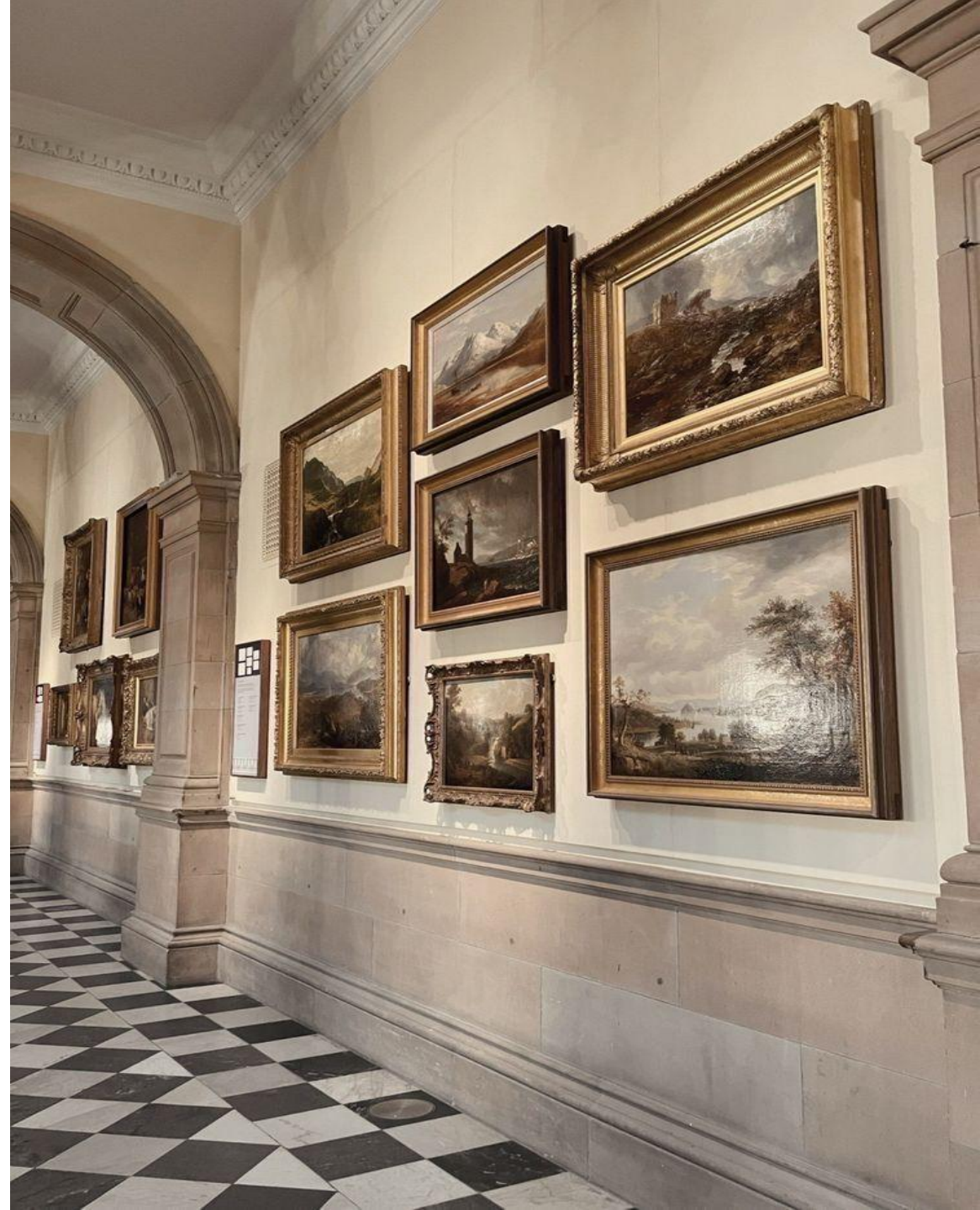# Inspiart
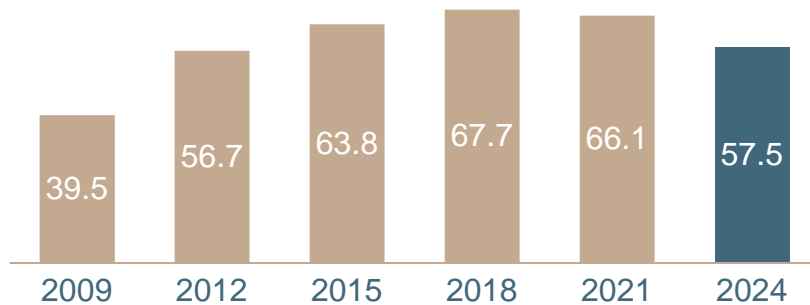
Final Presentation
Batch 2071

Despite its size and stability, the art market faces barriers in exploration and classification

Inspiart

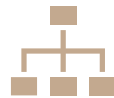**With $57bn in annual sales, the art market is large and stable…**

…but barriers in style and discovery limit engagement…

…our solution makes art accessible, inspiring and easy to explore.

Global Art Sales Value (in USD bn)[1]

2009	2012	2015	2018	2021	2024
39.5	56.7	63.8	67.7	66.1	57.5

Hard to **define and learn** art styles

Lack of **structure in digital art databases**

Difficult for users to **find inspiration and explore**

> Simplifies **style learning and classification**

> Enables **inspiration through similarity search**

> Makes **art accessible for everyone**

Source: UBS

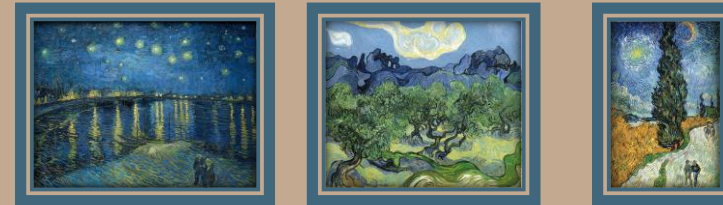# Making art accessible – from a single upload to an inspiring discovery journey

Inspiart

Input

Output

01 | Similar paintings on content only

Get Artwork Info

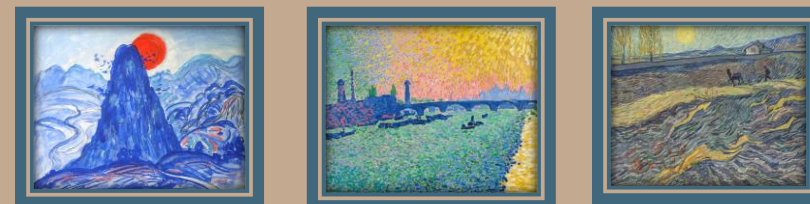**Artist:** Vincent van Gogh
Name : The Starry Night

02 | Similar paintings from the same style

Predicted Style:
Post-Impressionism

03 | Similar paintings from other styles

Predicted Style:
Post-Impressionism

An AI Tool combining supervised and unsupervised learning to classify and explore art

Database

- One of the **largest art datasets**

- **Data cleaning** : paintings after 19th century

+100.000 art pieces

Models

2 models

- **Style prediction**
    - Xception + few Dense layers
    - Supervised learning : Trained on our dataset

- **Similarity search**
    - CLIP model
    - Embedded our full dataset
    - Content-Based Image Retrieval.

API & FrontEnd

From a first prototype to a scalable platform that opens the world of art to everyone

1. Model Improvements

- Retrain supervised model for **higher accuracy**

- Extend with **prompt search**

- Deepen content with **artist stories** and **creation context**

2. Product Features

- **Advanced filters** : artist, date, museum & cities

- Improve UX and create **mobile app** for easy access

3. Market Opportunities

- Partnerships with **museums & cities**

- Develop as interactive **educational tool**

Thank you for your attention

"Let's keep the art of discovery alive"

Let's create together:

https://lnk.bio/inspiart-project

The artists of Inspiart

Gwenaëlle Mustière

Giovanna Di Giacomo

Cedric Werkmann

Fabian Schwientek

Charles Lamb