



# DATATHON PRESENTATION

Detecting Art Forgery

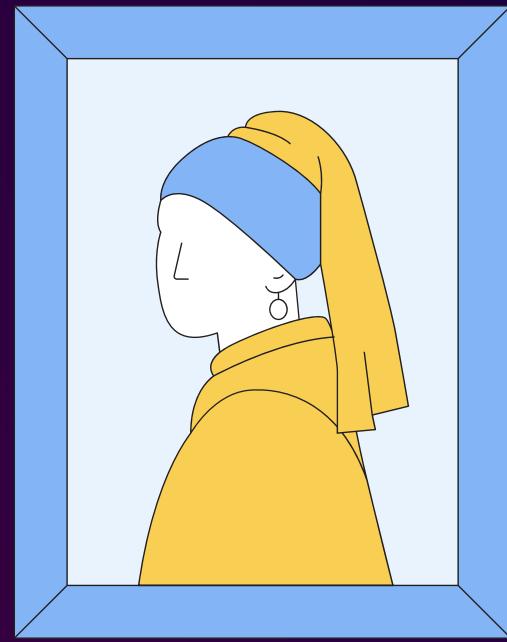
To be an AI generated or not... That is the question!

**PRESENTED BY**  
Team LabRats

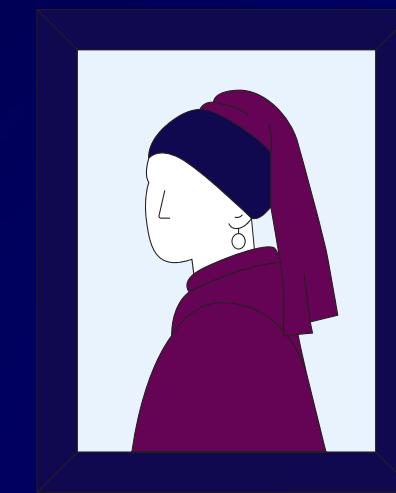
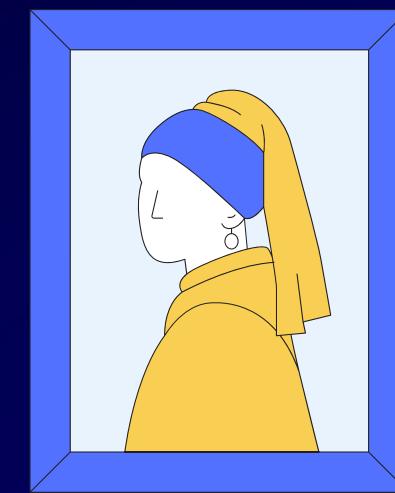
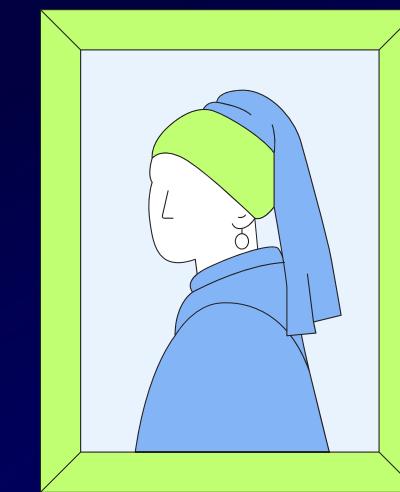
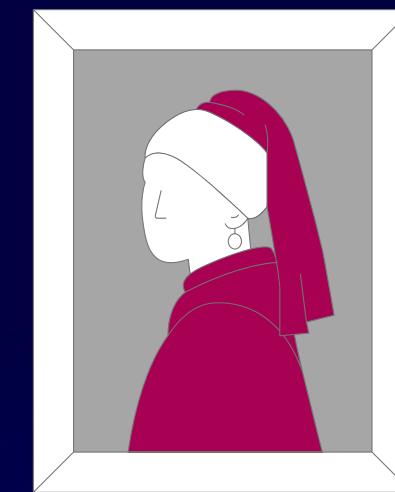
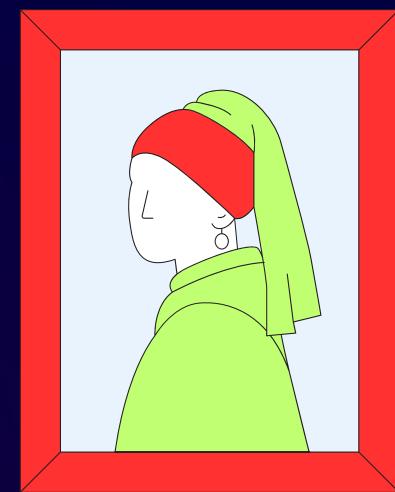
23/02/2023



By 2026, 90% of the images might be generated by AI\*



HUMAN-MADE

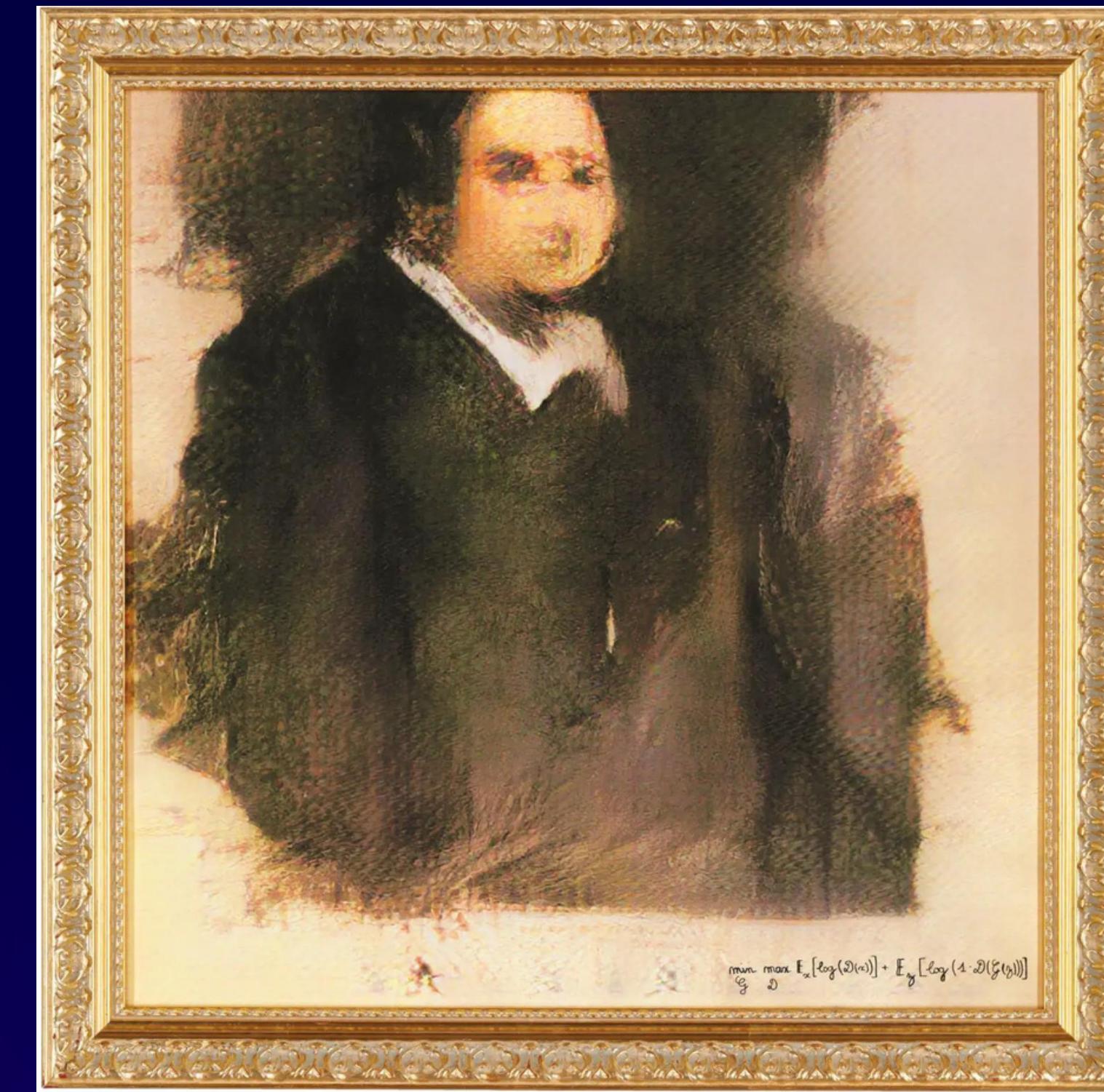


AI-GENERATED

\*<https://futurism.com/the-byte/experts-90-online-content-ai-generated>

# Portrait of Edmond De Belamy

- AI-generated
- Trained with +15,000 artwork
- In 2018, sold for +\$400,000\*\*

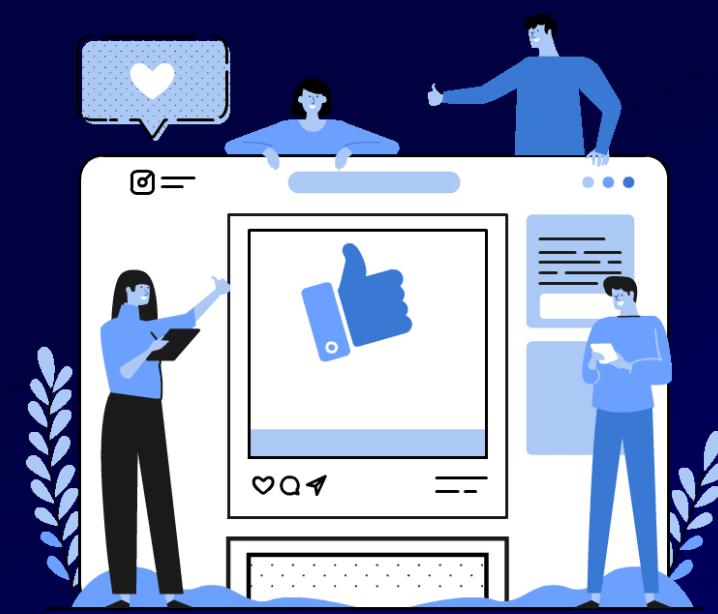


\*\*<https://www.theguardian.com/artanddesign/shortcuts/2018/oct/26/call-that-art-can-a-computer-be-a-painter>

# Applications



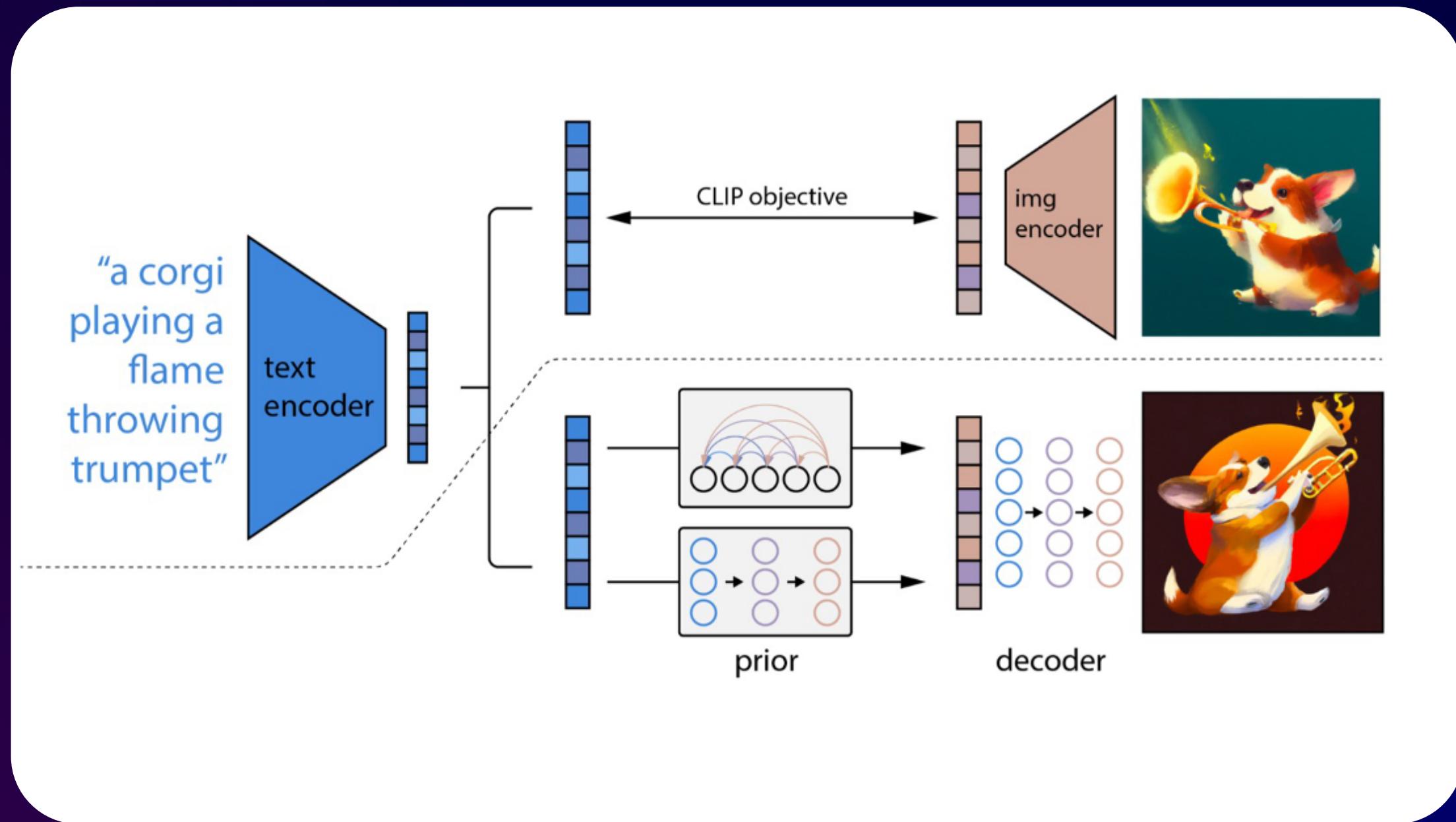
CUSTOMIZED ART



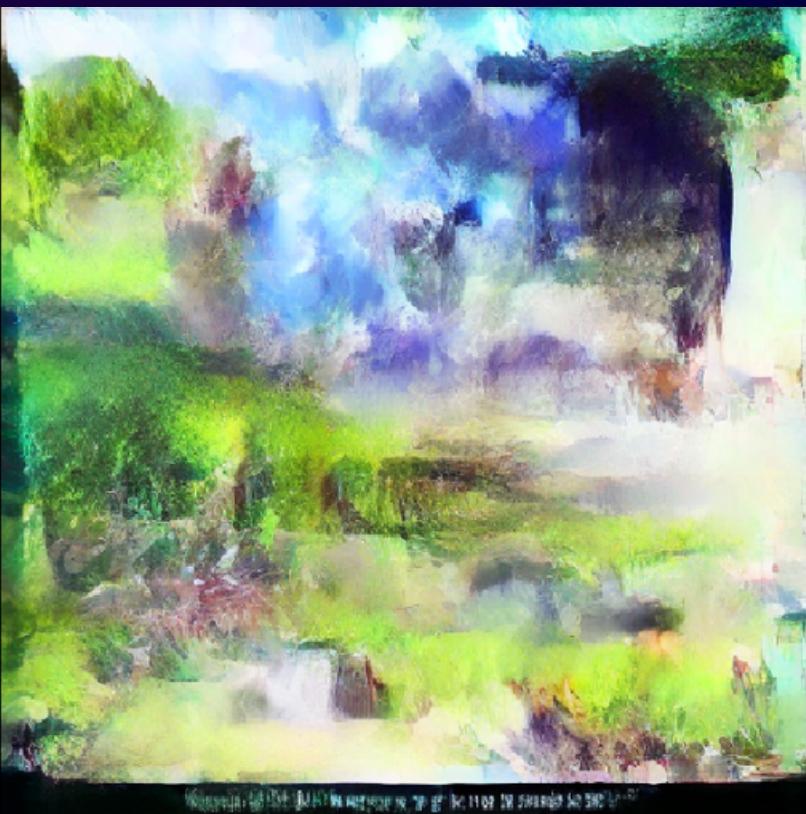
MARKETING CONTENT



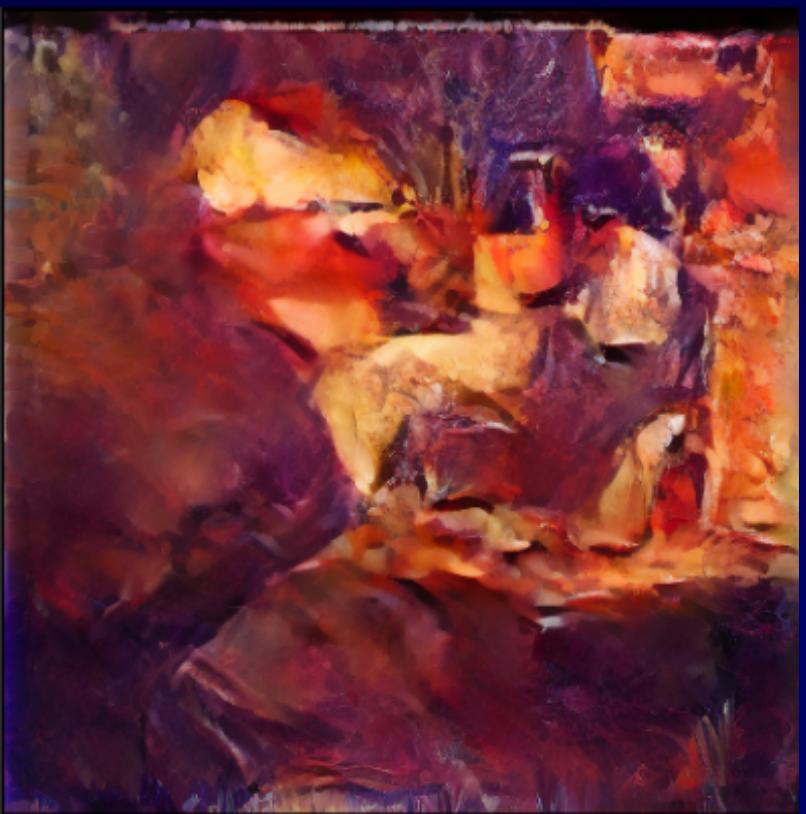
# Solution: Abstract-bART



# Results



NATURE GARDEN MONET



CLEOPATRA RED PORTRAIT

# Problems



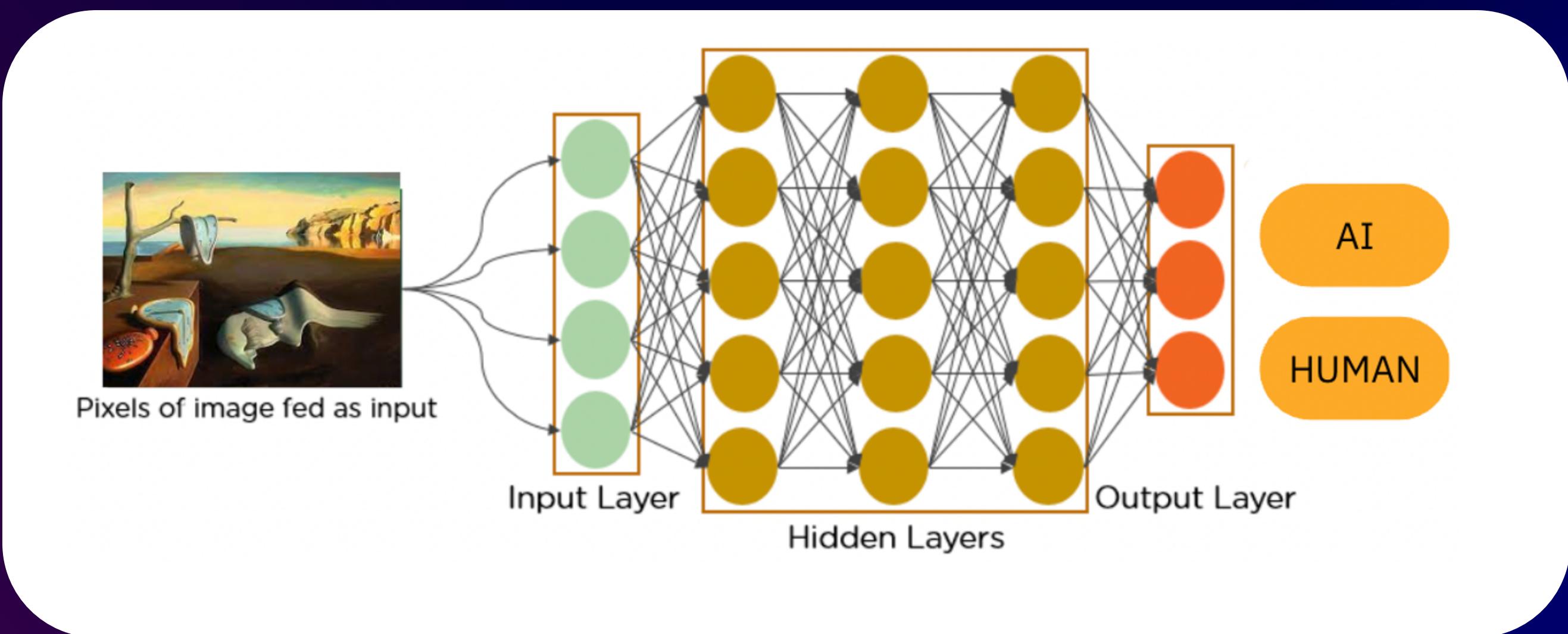
ART FORGERY



COPYRIGHT ISSUES

# Solution: CNN

TESTING SET PRECISION: 97%



# Results

HUMAN MADE



CONFIDENCE: 98%

AI-GENERATED

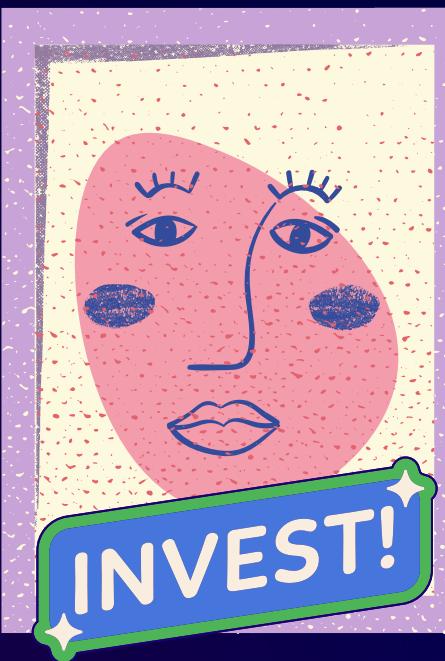


CONFIDENCE: 95%

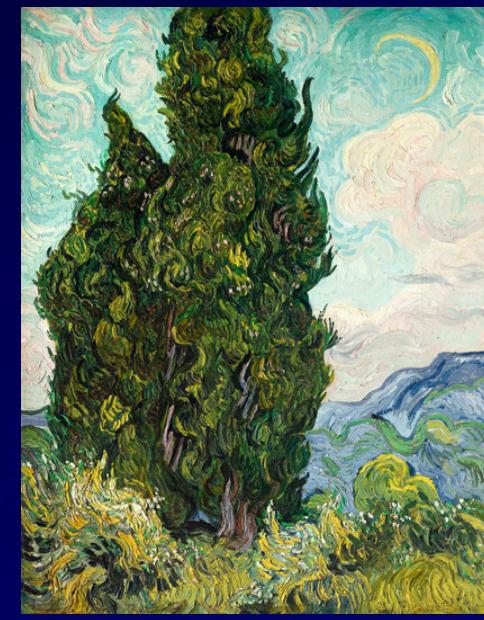
# Future Applications



BLIND-FRIENDLY ART



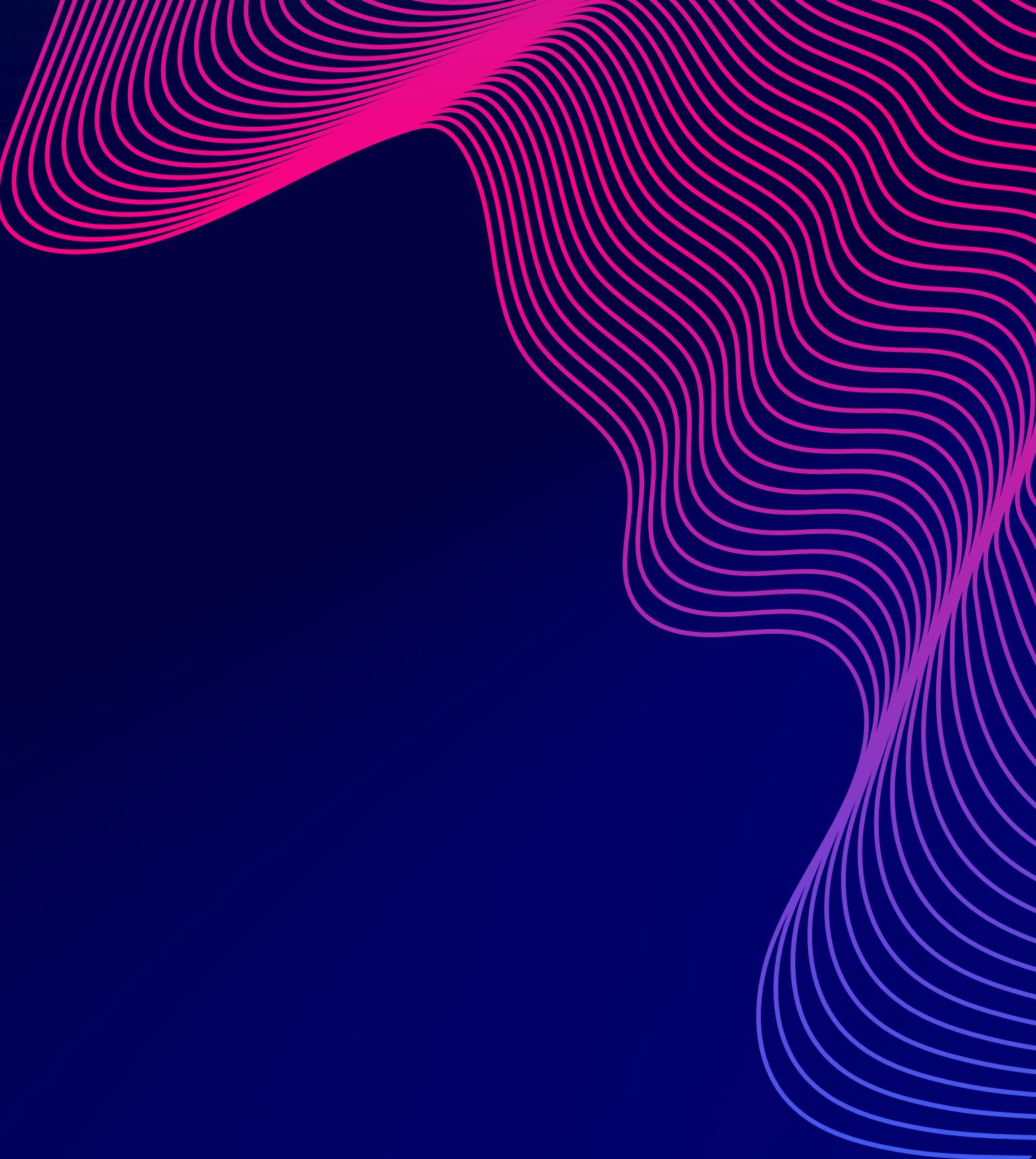
ART INVESTMENT



Vincent  
→ Van  
Gogh

ARTIST CLASSIFICATION

**Can AI-generated  
artwork become more  
valuable than human  
made artwork?**



# Meet the LabRats



# Questions & Answers

