ConversAI-tion

7 Jul 2023

Disclaimer

Will AI Kill Us All?

Will AI Ruin Our Society?

Will AI Take All Our Jobs?
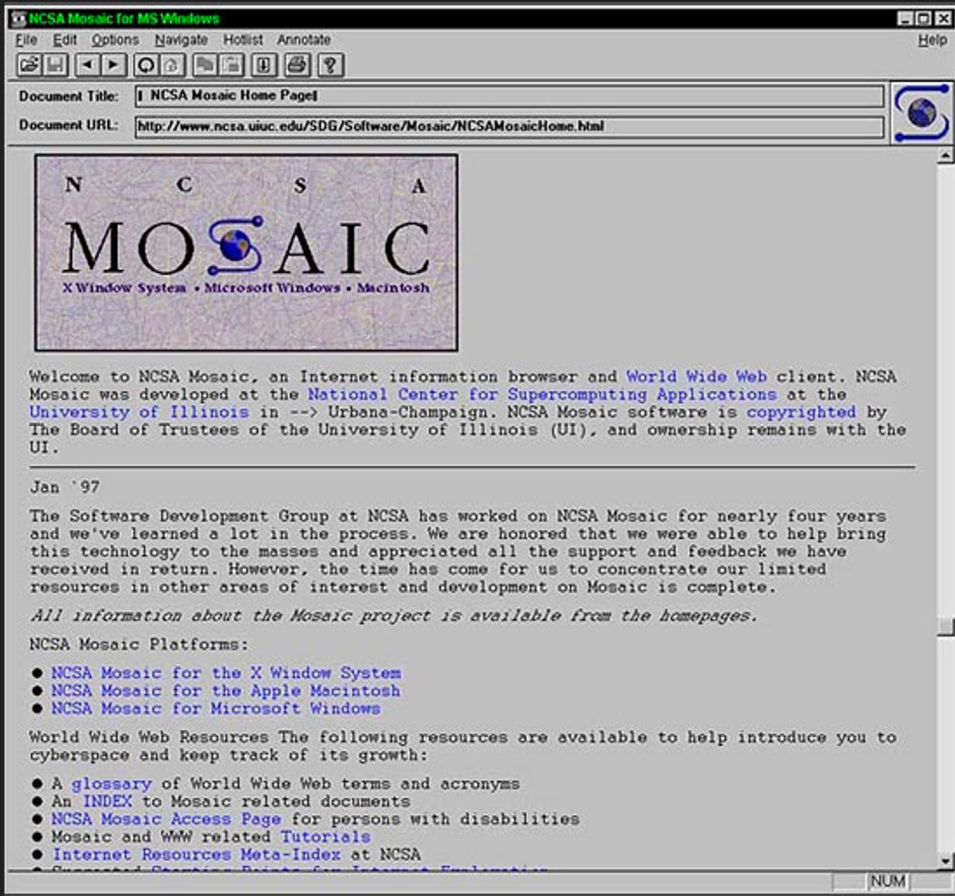
Will AI Lead To Crippling Inequality?

Will AI Lead To Bad People Doing Bad Things?

Is AI-driven autonomous drones used for surveillance and law enforcement good for society?

Will people choose AI to be life partners? (Will people fall in Love with AI agents)

How would a society driven by AI-powered social rating systems work? Would it be good to build a society with good behavior and relationships?

Document Title: | NCSA Mosaic Home Page|

Document URL: http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/NCSAMosaicHome.html

Welcome to NCSA Mosaic, an Internet information browser and World Wide Web client. NCSA Mosaic was developed at the National Center for Supercomputing Applications at the University of Illinois in --> Urbana-Champaign. NCSA Mosaic software is copyrighted by The Board of Trustees of the University of Illinois (UI), and ownership remains with the UI.

Jan '97

The Software Development Group at NCSA has worked on NCSA Mosaic for nearly four years and we've learned a lot in the process. We are honored that we were able to help bring this technology to the masses and appreciated all the support and feedback we have received in return. However, the time has come for us to concentrate our limited resources in other areas of interest and development on Mosaic is complete.

All information about the Mosaic project is available from the homepages.

NCSA Mosaic Platforms:

- NCSA Mosaic for the X Window System
- NCSA Mosaic for the Apple Macintosh
- NCSA Mosaic for Microsoft Windows

World Wide Web Resources The following resources are available to help introduce you to cyberspace and keep track of its growth:

- A glossary of World Wide Web terms and acronyms
- An INDEX to Mosaic related documents
- NCSA Mosaic Access Page for persons with disabilities
- Mosaic and WWW related Tutorials
- Internet Resources Meta-Index at NCSA

NUM

We are in that Mosaic moment in Generative AI?

Should business worry about it?

Leading Investor - Reported in WSJ

Says he has rekindled his appetite for investing in technology by talking with ChatGPT in the wee hours about ideas for inventions that the bot validated as wonderful -

Nikesh Arora
@nikesharora
•••

Thank you all for having me over. Was fun. Still think chatgpt has initiated a tech transformation that will ripple through everything we do. If you aren't reevaluating your processes, products as a tech company, you do so at your own peril.

How should businesses evaluate?

Evaluate how disruptive gen AI is to your business

1. If I don't do anything, can competitors with gen AI make me obsolete?
   a. Creative work: advertising, design, gaming, media, entertainment
   b. A lot of document processing: legal, insurance, HR
2. If I don't do anything, will I miss out opportunities to boost revenue?
   a. Customer support: chat, call centers
   b. Search & recommendation
   c. Productivity enhancement: automated note-taking, summarization, information aggregation
3. If there are opportunities, what advantages do I have to capture them?
   a. Proprietary data
   b. A100s lying around
   c. Existing user base

How should businesses evaluate?

Evaluate how disruptive gen AI is to your business

1. If I don't do anything, competitors with gen AI can make me obsolete

   Go all in

2. If I don't do anything, I'll miss out opportunities to boost revenue

   Build vs. buy decision

3. There are opportunities, and I have competitive advantages to capture them

   Make bets

How should we think about this?

Potential

People

Policies

Identify use cases that will differentiate us, key is to identify the company's "golden" use cases

Adapt organization structure, how people work.

Setup ethical guardrails and legal protections

Use Cases

What Use Cases are Enterprises Exploring

Text Classification	Content Creation	Information Extraction	Structured Generation	Q&A / Search
Without labelled data customer review (e.g. positive or negative) Recommendations Categorize customer support tickets (e.g. billing, product features, etc.)	Source intensive task requiring hours of sustained creative thinking Private Brand Images Generating Descriptions for Products in a Catalog Images: Midjourney, StabilityAI models in HuggingFace, Dreambooth	Read Information from documents and summarize Creating a Resume Skills Table for Hiring Managers	Unstructured to structured text(JSON) that can be used by another system for downstream tasks **Function Calling in ChatGPT** Margin of xx Detergent bar in Y WH What is the price of Sugar in mills today?	Large set of internal documents that you would like to use as a source of information when answering questions. Lang Chain + Vector databases (Pinecone)

Image of Product Package from Midjourney
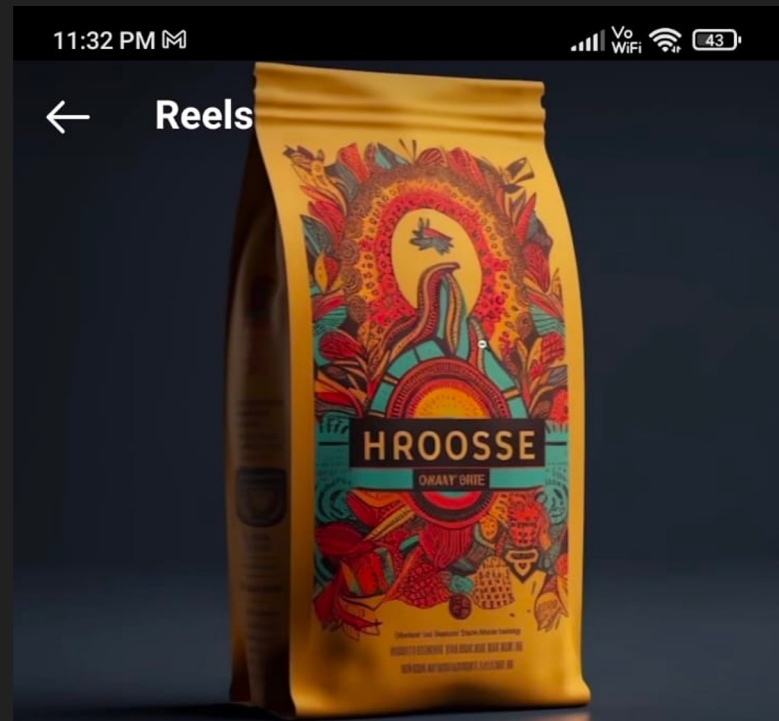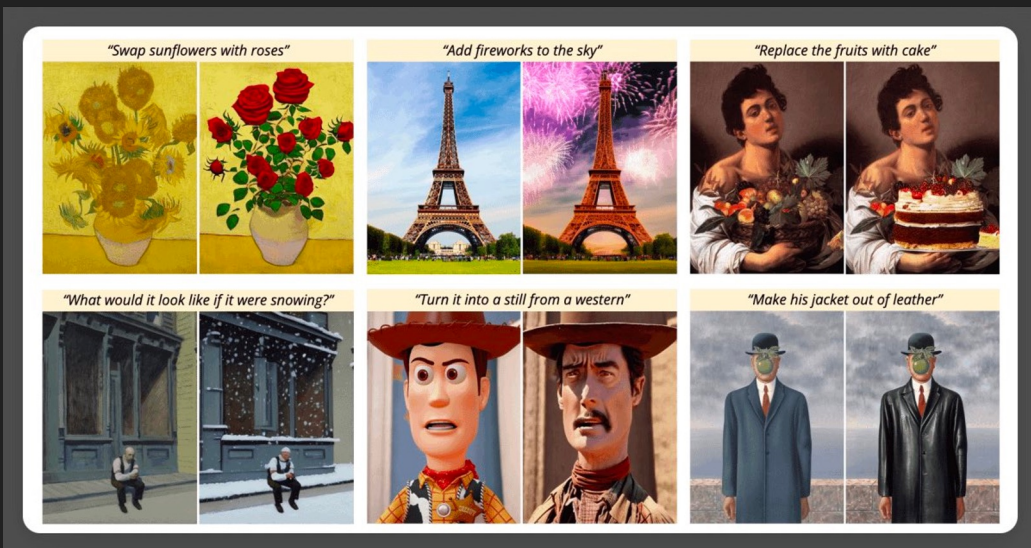
Product shots of coffee packets, with minimalistic black logo

Appendix

Select Generative AI Use Cases by Industry

	Industries							
	Automotive and Vehicle Manufacturing	Media	Architecture and Engineering	Energy and Utilities	Healthcare Providers	Electronic Product Manufacturing	Manufacturing	Pharmaceutical
Drug Design								●
Material Science	●			●		●		
Chip Design						●		
Synthetic Data	●		●	●	●	●	●	●
Generative Design (Parts)	●		●				●	

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