OVERVIEW OF MACHINE LEARNING

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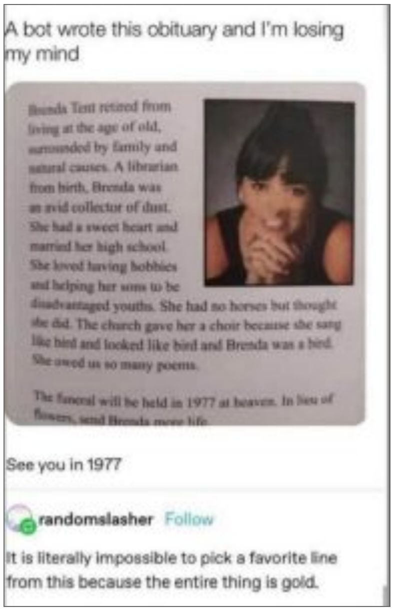

A bot wrote this obituary and I'm losing my mind

Brenda Tent retired from living at the age of old, surrounded by family and natural causes. A librarian from birth, Brenda was an avid collector of dust. She had a sweet heart and married her high school. She loved having hobbies and helping her sons to be disadvantaged youths. She had no horses but thought she did. The church gave her a choir because she sang like bird and looked like bird and Brenda was a bird. She owed us so many poems.

The funeral will be held in 1977 at heaven. In lieu of flowers, send Brenda more life.

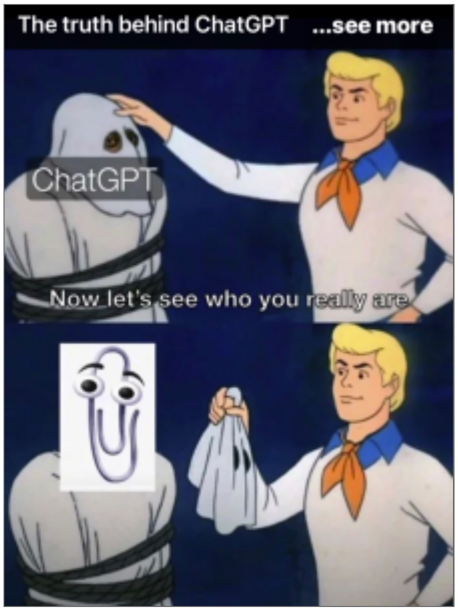
See you in 1977

randomslasher

It is literally impossible to pick a favorite line from this because the entire thing is gold.

WHAT IS MACHINE LEARNING?

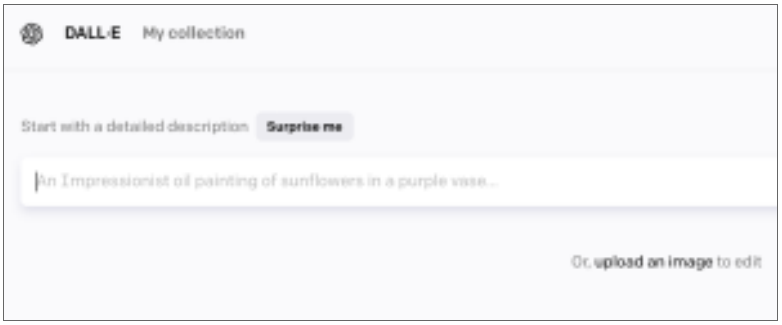
- Essentially, these are computer programs which improve from experience over time.
- It is a subfield of artificial intelligence.
- But, artificial intelligence involves learning. Yes, things are blurry.


The truth behind ChatGPT ...see more
ChatGPT
Now let's see who you really are

Alternate view?

EXAMPLE OF MACHINE LEARNING

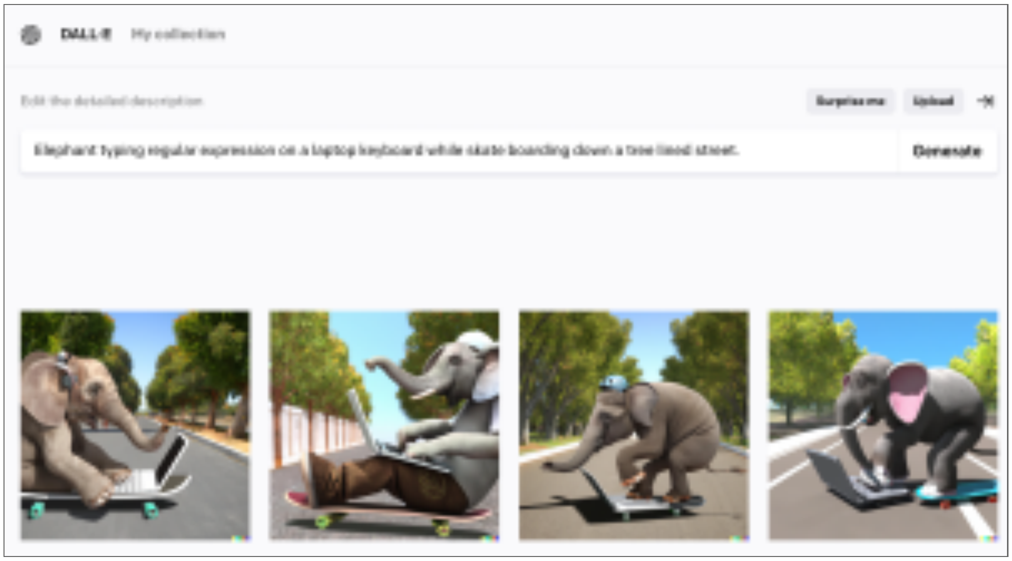
- **DALL-e** (open source)
    - **Blog post** describing this tool
    - **GitHub** (if you want to install it yourself)



Start with a detailed description

An Impressionist oil painting of sunflowers in a purple vase...

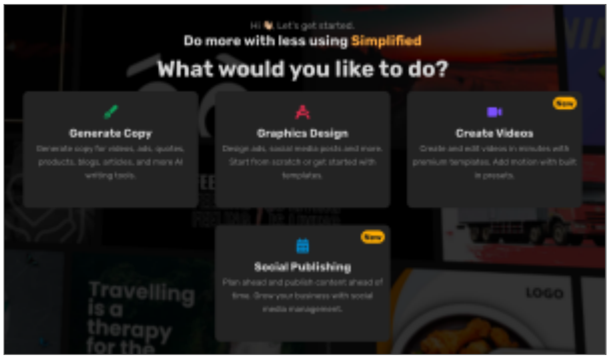
Or, upload an image to edit

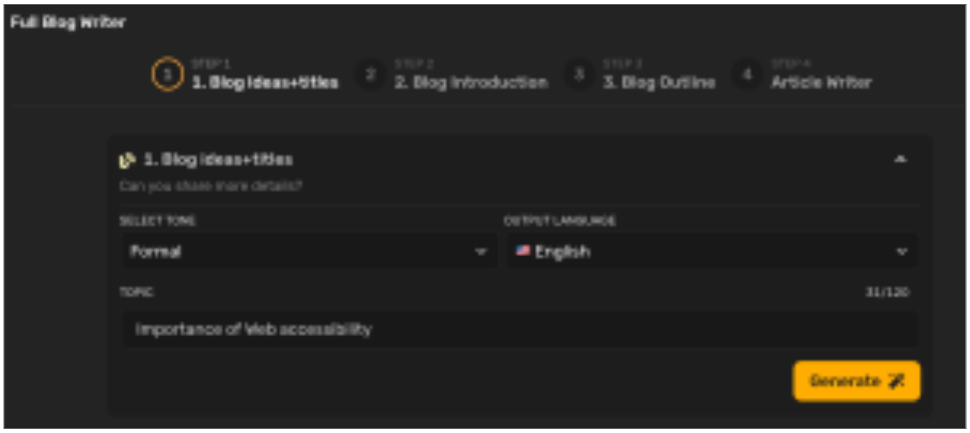

DALL·E
My collection
Edit the detailed description
Surprise me
Upload
Generate

Elephant typing regular expression on a laptop keyboard while skate boarding down a tree lined street.

SIMPLIFIED (TEXT GENERATION)

- **Fremium model**


Hi 👋 Let's get started.
Do more with less using Simplified
What would you like to do?
Generate Copy
Graphics Design
Create Videos
New
Social Publishing
New
Travelling is a therapy for the
LOGO

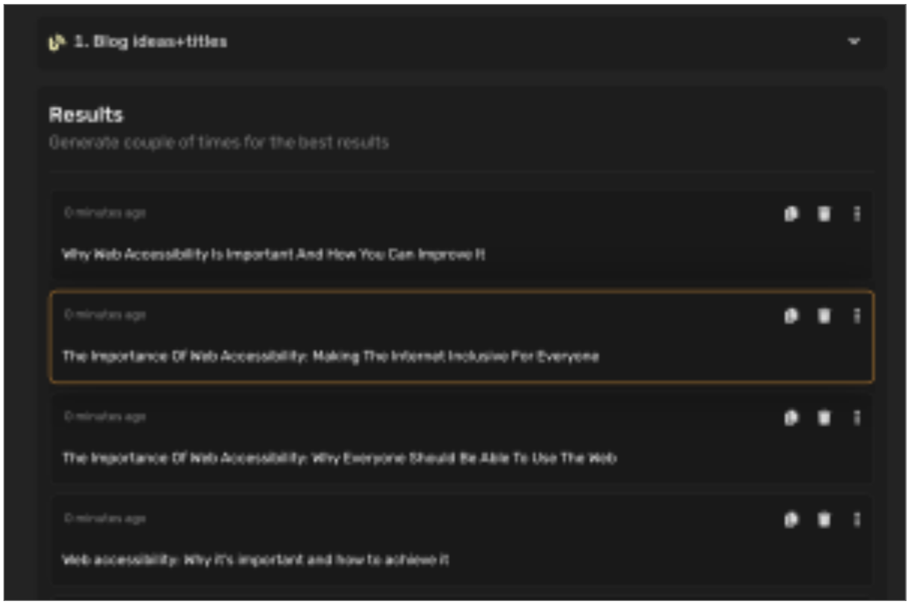

Full Blog Writer
STEP 1
1. Blog Ideas+titles
STEP 2
2. Blog Introduction
STEP 3
3. Blog Outline
STEP 4
Article Writer
1. Blog ideas+titles
Generate

Can you share more details?

SELECT TONE: Formal

OUTPUT LANGUAGE: English

TOPIC: Importance of Web accessibility 31/120



1. Blog ideas+titles

Results

Generate couple of times for the best results

0 minutes ago

Why Web Accessibility Is Important And How You Can Improve It

0 minutes ago

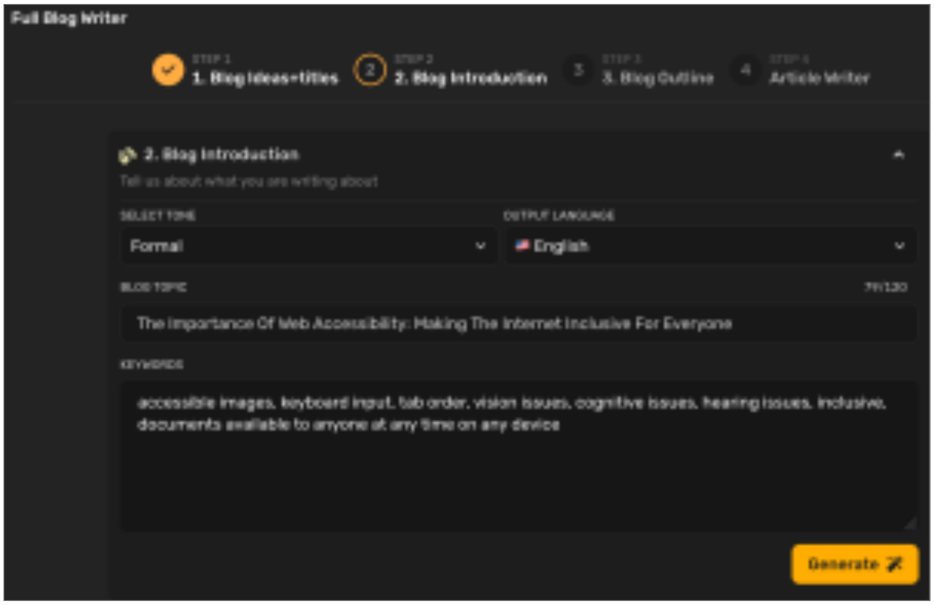
The Importance Of Web Accessibility: Making The Internet Inclusive For Everyone

0 minutes ago

The Importance Of Web Accessibility: Why Everyone Should Be Able To Use The Web

0 minutes ago

Web accessibility: Why it's important and how to achieve it


Full Blog Writer
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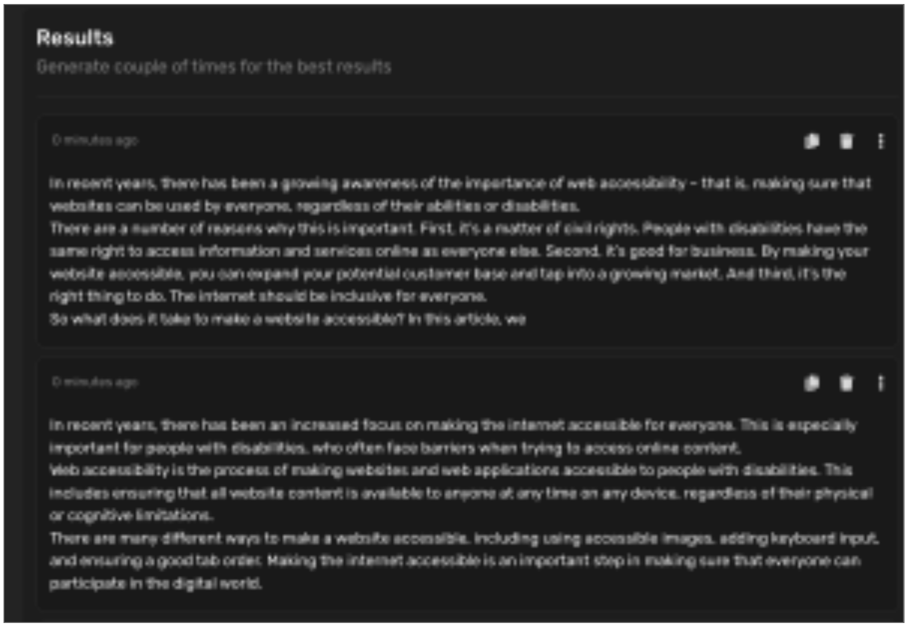
STEP 4
Article Writer
2. Blog Introduction
Tell us about what you are writing about
Generate

SELECT TONE: Formal

OUTPUT LANGUAGE: English

BLOG TOPIC 79/120: The Importance Of Web Accessibility: Making The Internet Inclusive For Everyone

KEYWORDS: accessible images, keyboard input, tab order, vision issues, cognitive issues, hearing issues, inclusive, documents available to anyone at any time on any device



Results

Generate couple of times for the best results

In recent years, there has been a growing awareness of the importance of web accessibility – that is, making sure that websites can be used by everyone, regardless of their abilities or disabilities.

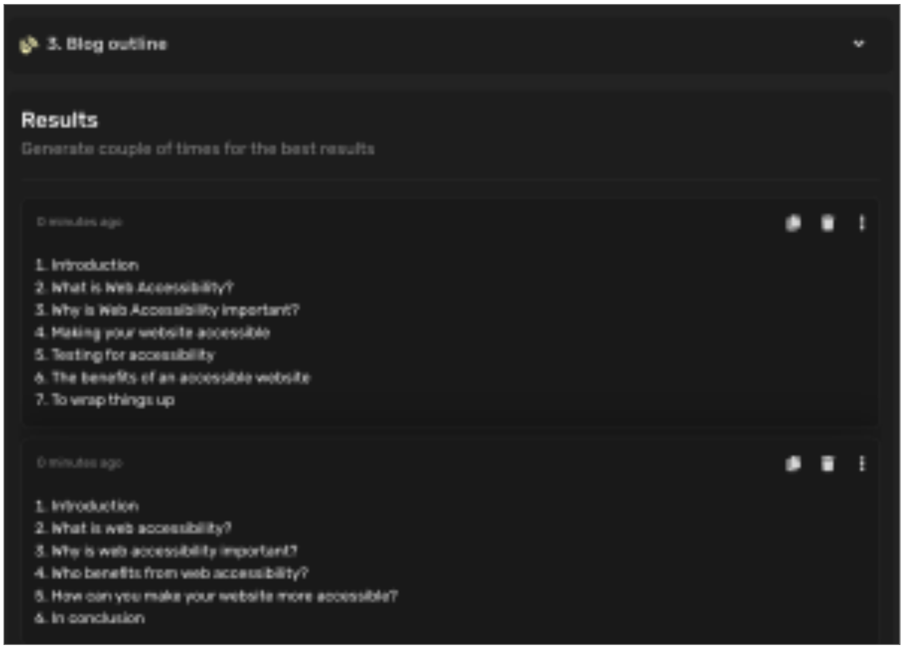
There are a number of reasons why this is important. First, it's a matter of civil rights. People with disabilities have the same right to access information and services online as everyone else. Second, it's good for business. By making your website accessible, you can expand your potential customer base and tap into a growing market. And third, it's the right thing to do. The internet should be inclusive for everyone.

So what does it take to make a website accessible? In this article, we

In recent years, there has been an increased focus on making the internet accessible for everyone. This is especially important for people with disabilities, who often face barriers when trying to access online content.

Web accessibility is the process of making websites and web applications accessible to people with disabilities. This includes ensuring that all website content is available to anyone at any time on any device, regardless of their physical or cognitive limitations.

There are many different ways to make a website accessible, including using accessible images, adding keyboard input, and ensuring a good tab order. Making the internet accessible is an important step in making sure that everyone can participate in the digital world.



Results

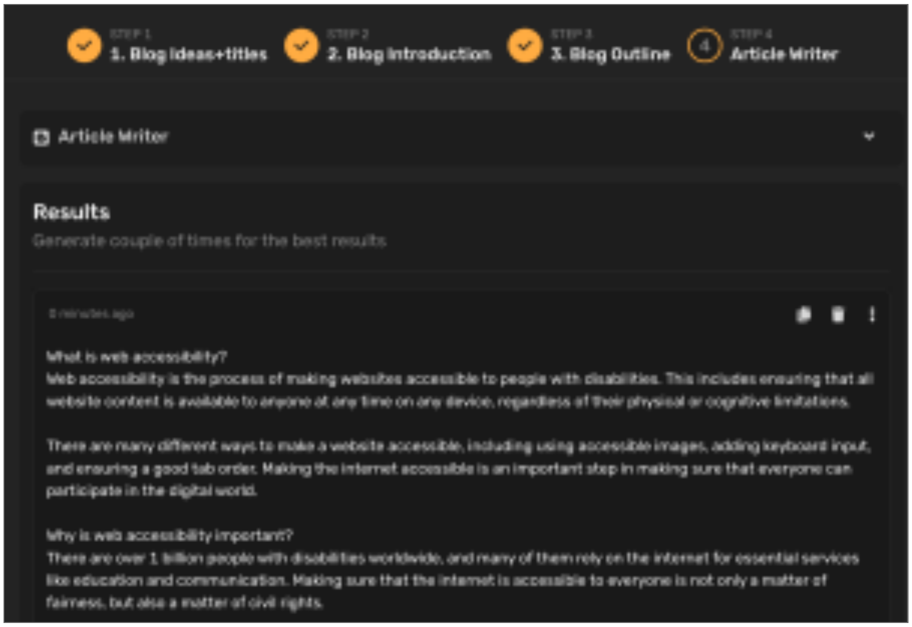
Generate couple of times for the best results

0 minutes ago

1. Introduction
2. What is Web Accessibility?
3. Why is Web Accessibility important?
4. Making your website accessible
5. Testing for accessibility
6. The benefits of an accessible website
7. To wrap things up

0 minutes ago

1. Introduction
2. What is web accessibility?
3. Why is web accessibility important?
4. Who benefits from web accessibility?
5. How can you make your website more accessible?
6. In conclusion


STEP 1
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3. Blog Outline
STEP 4
Article Writer
Article Writer
Results
Generate couple of times for the best results

What is web accessibility?
Web accessibility is the process of making websites accessible to people with disabilities. This includes ensuring that all website content is available to anyone at any time on any device, regardless of their physical or cognitive limitations.

There are many different ways to make a website accessible, including using accessible images, adding keyboard input, and ensuring a good tab order. Making the internet accessible is an important step in making sure that everyone can participate in the digital world.

Why is web accessibility important?
There are over 1 billion people with disabilities worldwide, and many of them rely on the internet for essential services like education and communication. Making sure that the internet is accessible to everyone is not only a matter of fairness, but also a matter of civil rights.

BLOG WRITER RESULTS

- **Text file** (can view in browser)
- **MS-Word document** (will be prompted to download)
- **Adobe PDF document** (should open in browser)

Keep in mind, only a few keywords were provided. The rest was all generated by AI (and Machine Learning).

HOW DOES ALL THIS ACTUALLY WORK?

- Relatively simple example using JavaScript
- Keep in mind this example has over **141K** lines of JS code
- The ML code to make DALL-e and Simplified work has a much larger core library
- These are offered for free as they want more learning to happen (you are paying with your data)

TensorFlow.org – JavaScript library

- Include script tag (relying on CDN)
- <script src=”https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@2.0.0/dist/tf.min.js”></script>
- I provide a slightly modified working example we will discuss.
- Alternate approach (npm with yarn)
- Built on **ml5.js** library

TENSOR FLOW EXAMPLE

- Review **code and example**
- **References**

PRACTICAL APPLICATION

Just one example – this uses “facial recognition” AI to identify individual whales. For example, the tail flukes are visible (and photographed) just before a humpback whale does a deep dive. **https://happywhale.com/home** **https://happywhale.com/individual/77272;enc=335720** (one I photographed may be new to science)

Uses of AI and machine learning – let’s discuss

- **AI art can not be copyrighted**
- Dangers of AI
    - Recreating you
    - Gaming wrong answer clues
    - Your privacy
    - Startups are not all equal (some may try to game you)
- **How AI is improving accessibility**

ChatGPT after having to deal with humans every day

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