



Transformation in a new era of AI

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Artificial Intelligence

Machine Learning

Deep Learning

Generative AI



Artificial Intelligence

The field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence



Machine Learning

Subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions



Deep Learning

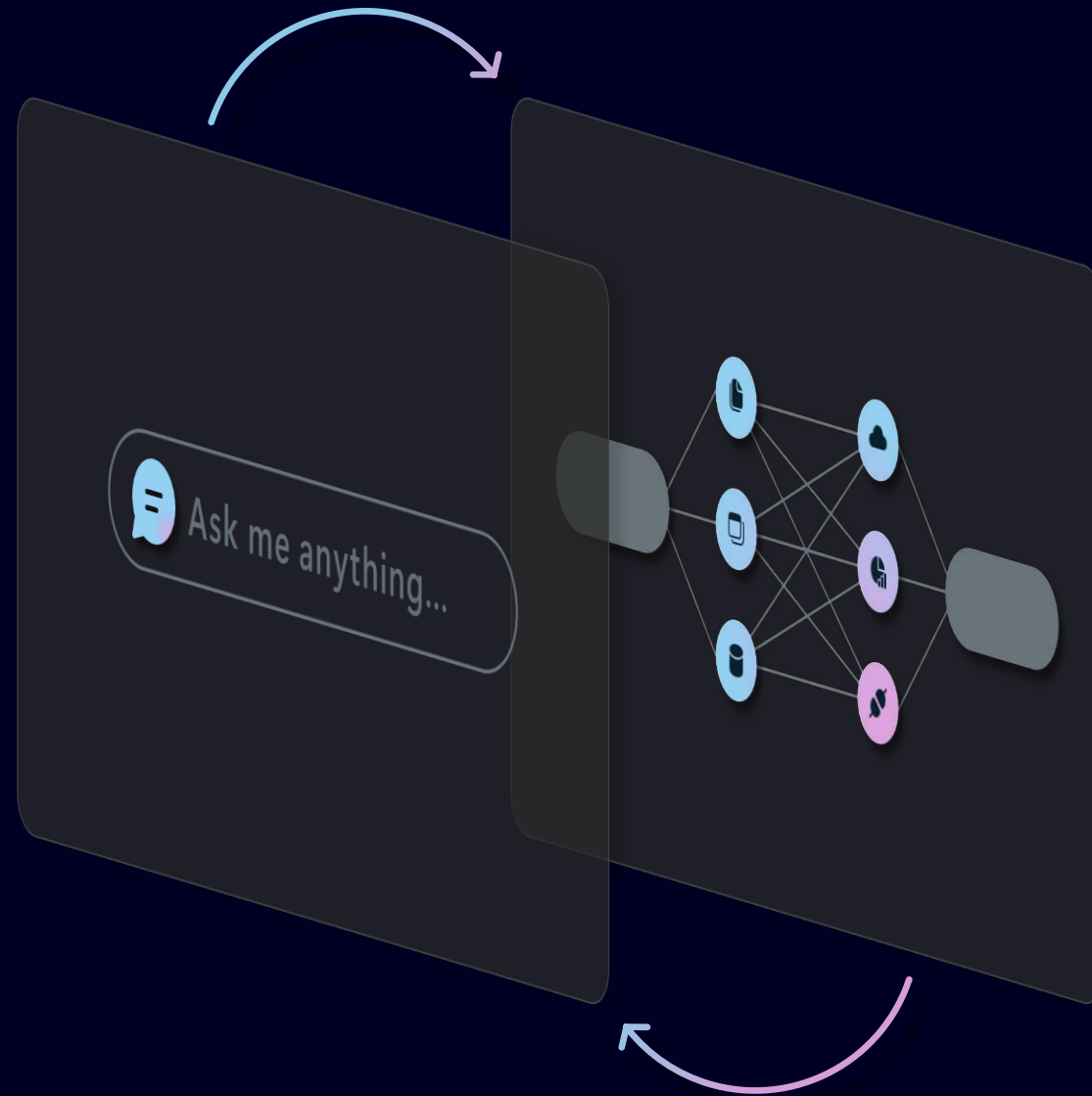
A machine learning technique in which layers of neural networks are used to process data and make decisions



Generative AI

Create new written, visual, and auditory content given prompts or existing data

Natural language



Reasoning engine

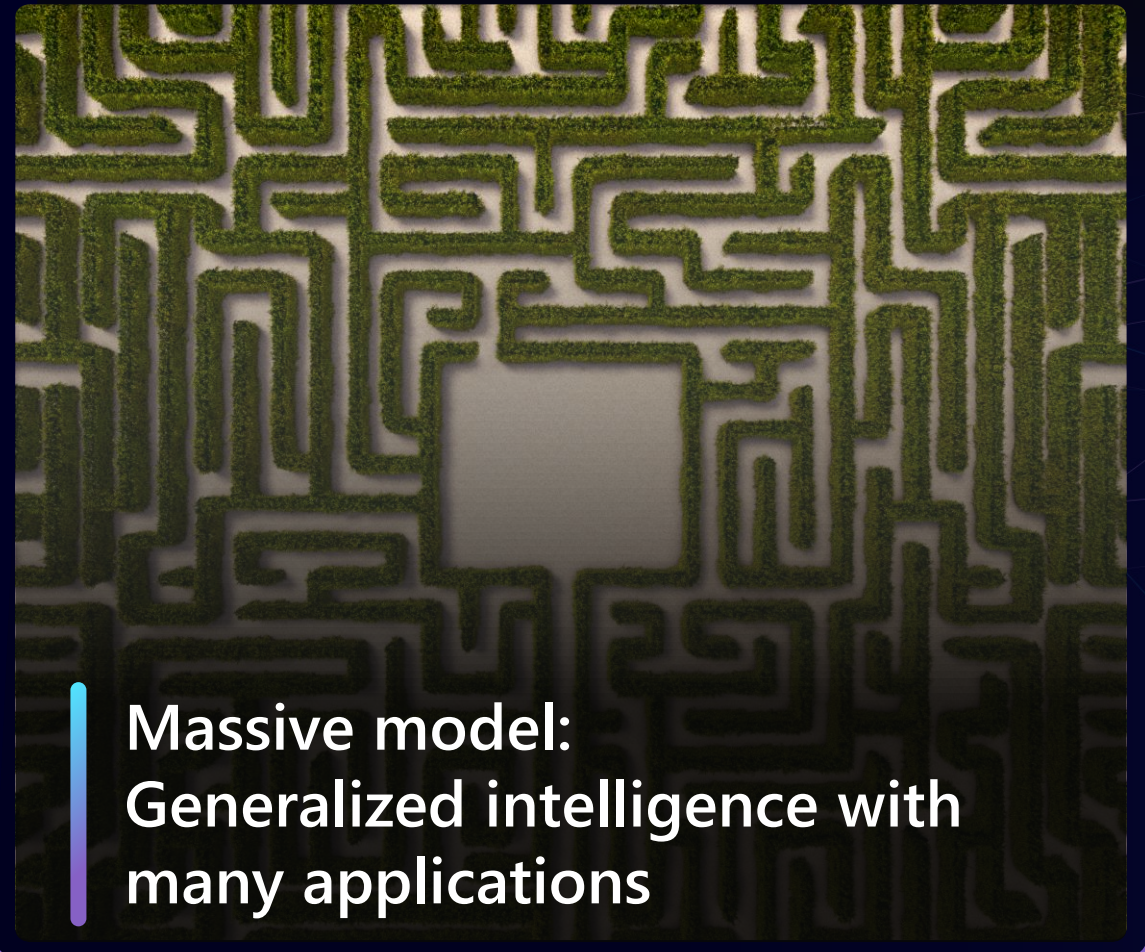
Generative AI transforms how we think about AI

Traditional AI



Simple model:
Purpose-built for one use

Generative AI



Massive model:
Generalized intelligence with
many applications



Months to reach 100M users

We are at the beginning of a technology shift

2
ChatGPT

Meeting content

Sales report Q4... Capacity status list... VanArsdelPhotoDe...

Notes

Notes

Suggested notes

- Serena wants to look at the sales report before she and Beth spend more budget on the campaign.
- Beth explains that they are on track for new product release in December. But they will need to keep an eye on advertisement budget. She will follow up on that.
- Beth explains that they are managing the capacity well. They could be a problem if they get more popular. Babak is going to double check on that.

Suggested tasks

- Beth will follow up on advertisement budget.
- Jon Shamma will double check with Amanda regarding the ETA for the release of the new product.

Create a SWOT analysis in loop based on this info

Weaknesses

- Production and supply chain
- Inefficient cost management
- Quality control problems

Threats

- Fluctuations in raw material prices
- Change in government policies or regulations
- Price sensitivity in a sagging market

Bing

Search

```
import unittest
import datetime

class TestParseExpenses(unittest.TestCase):
    def test_parse_expenses(self):
        expenses_string = "2023-01-02 -34.01 USD\n2023-01-03 2.5
        expected_output = [(datetime.datetime(2023, 1, 2), "-34.01
        (datetime.datetime(2023, 1, 3), "2.50
        (datetime.datetime(2023, 1, 3), "-2.50
        self.assertEqual(parse_expenses(expenses_string), expected_output)

    def test_parse_expenses_with_comments(self):
        expenses_string = "# This is a comment\n2023-01-02 -34.01 USD\n2023-01-03 2.50
        expected_output = [(datetime.datetime(2023, 1, 2), "-34.01
        (datetime.datetime(2023, 1, 3), "2.50
        (datetime.datetime(2023, 1, 3), "-2.50
        self.assertEqual(parse_expenses(expenses_string), expected_output)
```

ChatGPT

Examples	Capabilities	Limitations
"Explain quantum computing in simple terms" →	Remembers what user said earlier in the conversation	May occasionally generate incorrect information
"Got any creative ideas for a 10 year old's birthday?" →	Allows user to provide follow-up corrections	May occasionally generate harmful information
"How do I make an HTTP request in Javascript?" →	Trained to decline inappropriate requests	Limited knowledge and skills

Document1 - Saved

File Home Insert Layout References Review View Help

Aptos (Body) 11 B I U

Create content with Copilot

draft a proposal from yesterday's meeting notes

LinkedIn

Search

Home My Network Jobs Messaging Notifications

About

Facebook

Create post

Meet Mona Kane at Archinext 2023

Global Head of Design, Mona Kane at Archinext 2023.

Interior Design

Meet Mona Kane at Archinext 2023

Global Head of Design, Van Arsdel

Add to your post

```
password.py
1 ...
2 Password helper functions
3 ...
4 import re
5 ...
6 ...
7 ...
```

Bing

Can you create me an image of an astronaut walking through a galaxy of sunflowers?

Sure, I'll use Image Creator to draw that for you.

Made with Image Creator

Change the astronaut to a cat Change the sunflowers to roses Add a moon in the background

Power Apps

Welcome, Mona

Start from

- Blank app
- Dataverse
- SharePoint
- Image
- Figma

Your apps

Name	Modified	Owner	Type
Inventory tracking	Modified	me	Canvas
Procurement orders	Modified	me	Canvas

Bing AI-powered search with chat

Persistent Chat

Export/Share

Start chatting

The New Bing: AI-powered search with chat

Customer support

Chat with Claudia Mezzanti

Account: 654-ADU-753

3891 Ranchview Dr, Richardson, California 75089

Past purchases

- Coffee latte tamper
- Smart brew 3000

Generative AI Capabilities coming to the Microsoft Platform



Microsoft Teams



Viva Sales Insights



M365 Copilot



Bing



Azure OpenAI Service Capabilities

Creative Ideation Subject Research

Essay outlines Extracting insights Semantic search

Summarizing text Code generation

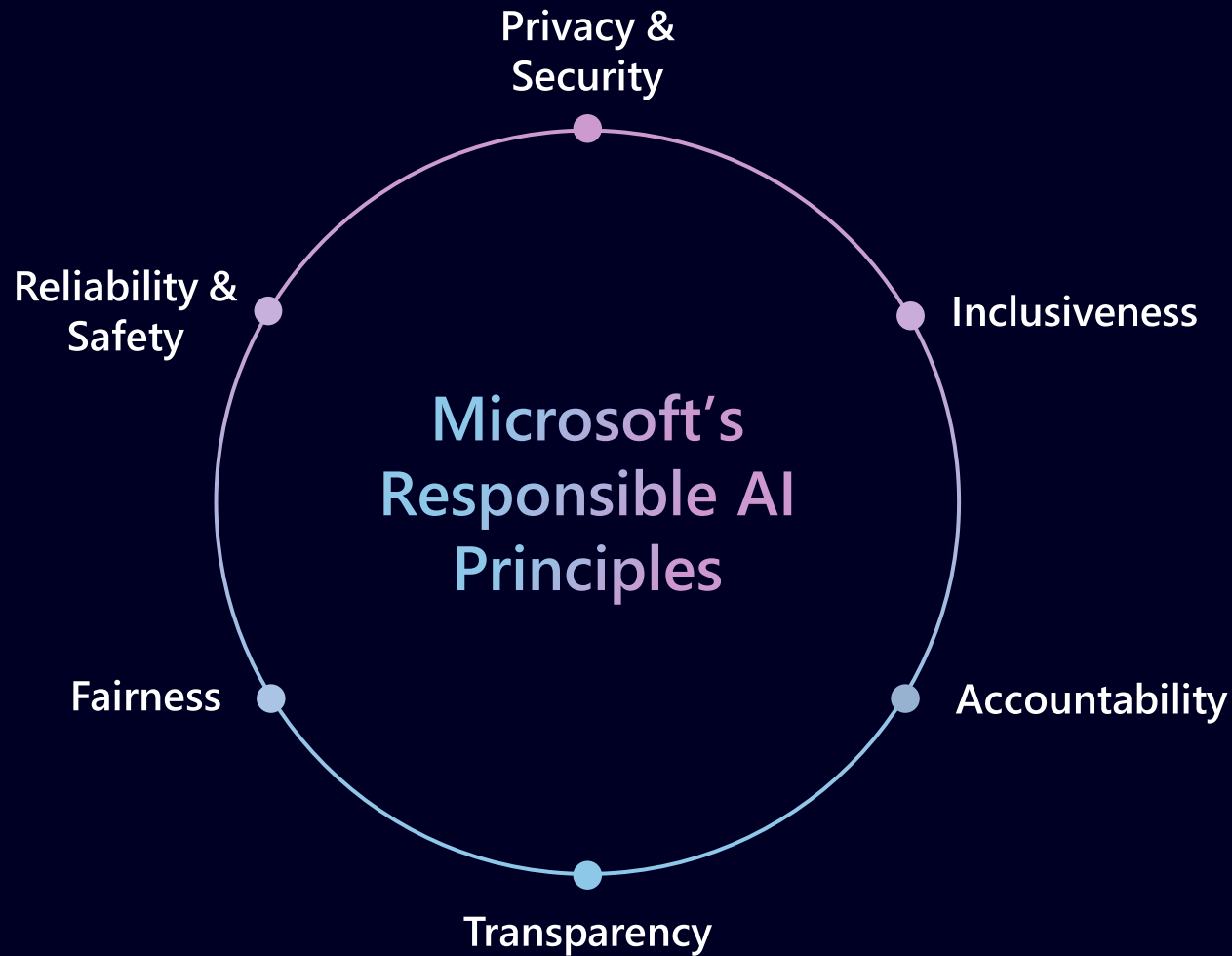
Limitless generation with a few lines of input

Virtual Assistants Language Translation Writing assistance

Classifying text Answering questions Poem creation

Comments from code Code refactoring Image Generation

Microsoft's Responsible AI principles



Building blocks to enact principles



Tools and processes



Training and practices



Rules



Governance

Generative AI

Top 4 capabilities



Content generation

Automatically generate responses to customer inquiries

Generate personalized website UIs or marketing images



Summarization

Summarize customer support conversation logs

Summarize social media trends



Code generation

Convert natural language to data base query language to "ask questions" of your data

Comment and document code



Semantic search

Search reviews for a specific product/service

Discover new products and knowledge mining

...and when they are used all together

End to end call center analytics: classification, sentiment, entity extraction, summarization and email generation

Customer 360: hyper-personalisation using timely summarization of customer queries & trends, search, and content generation

Business process automation: search through structured & unstructured documentation, generate code to query data models, generate content

Employees are ready to embrace AI

64%

Employees lack time & energy to do their job

3.5X

More likely to struggle with strategic thinking

70%

Employees are willing to delegate work to AI

2X

Managers are looking to AI to boost productivity vs. cutting headcount

Transforming through summarisation



GenAI Product Summarisation



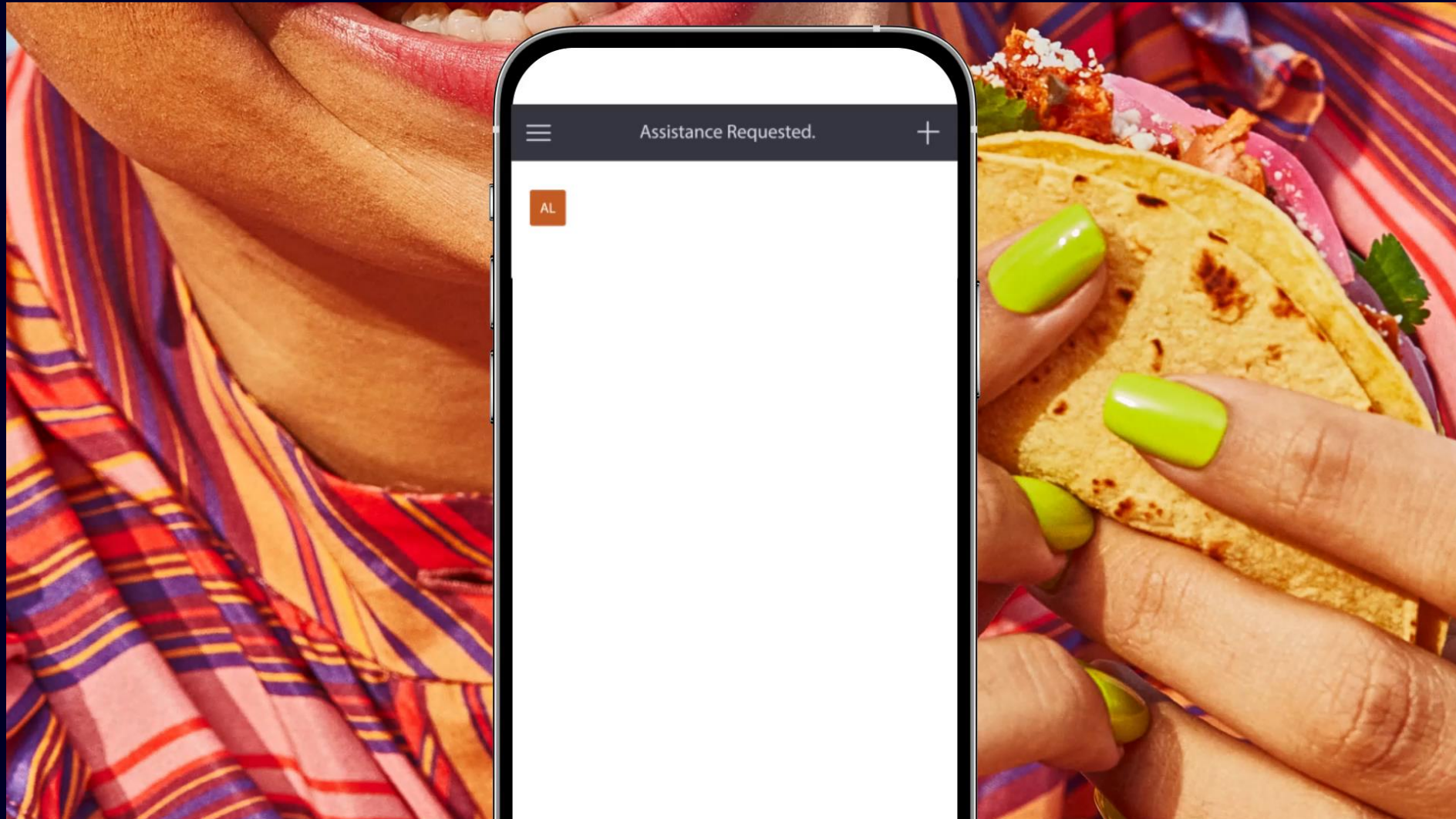
Transforming through search



GenAI Shopping Assistants

The screenshot displays the Carrefour France website interface. At the top, there is a navigation bar with a menu icon, 'Menu', 'Promotions', 'Catalogues', a search bar containing 'Pain, lait, oeufs...', and icons for 'Aide & contact', 'Mes produits', 'Mon compte', and 'Panier'. Below the navigation bar, a banner features the Paris 2024 Olympic logo and the text 'J-264 AVANT LES JEUX OLYMPIQUES DE PARIS 2024'. The main content area is divided into two sections: 'Courses du quotidien' (Daily groceries) and 'Maison & loisirs' (Home & leisure). The 'Courses du quotidien' section includes a photo of two bowls of soup and a wooden spoon, with the text 'Retrait gratuit en drive ou livrées chez vous en 1h' and a 'Faire mes courses' button. The 'Maison & loisirs' section includes a photo of a living room and the text 'Retrait magasin gratuit, livraison gratuite dès 30€' and a 'Découvrir' button. On the right side, a chat window for 'Hopla' is open, showing a conversation. The chat window header includes the name 'Hopla' and the status 'En apprentissage'. The chat messages are as follows: Hopla: 'faire vos listes de courses. Pour l'instant, je suis une expérience et j'apprends encore tous les jours, soyez indulgent 😊'; User: 'Pour info, je dois juste vous dire que Carrefour France met en œuvre un traitement de données personnelles vous concernant pour traiter les demandes que vous m'adressez.'; Hopla: 'En savoir plus sur Hopla et notre politique de protection de données : <https://www.carrefour.fr/services/hopla>'; User: 'Accepter et démarrer'. At the bottom of the page, there are four promotional banners: 'JOUETS à PRIX EXTRA' with 'Les folles aventures du Père Noël' and '50% D'ÉCONOMIES sur l'Écurie'; 'DEFI ANTI-INFLATION TVA REMBOURSÉE' with 'JUSQU'À 200€ CRÉDITÉS SUR VOTRE COMPTE FIDÉLITÉ SOIT 16,67% DU PRIX TTC'; 'DEFI ANTI-INFLATION BAISSÉ DES PRIX MASSIVE' with 'AVEC DÉJÀ 1500 PRODUITS'; and 'LE NOËL EXTRA à PRIX ORDINAIRE' with 'Kincoer de l'Avent bueno' and '-50% SUR le 2ème calendrier'. A vertical 'Votre Avis' button is located on the left side of the page.

GenAI Product Assistants



Transforming **through** content generation



Hiking Single Date: Apr 21, 2023 | Location: Guildford basecamp


NORTH DOWNS 50 ULTRA CHALLENGE

The popular 'North Downs 50' is back again for 2023 - with a new start & finish basecamp venue in Guildford. The new looped route takes in some of the North Downs Way, The Surrey Hills, and the magnificent views over the countryside to the south. Join us for this fantastic mid-summer challenge - with good access from London and the surrounding area, plus looped routes for easy logistics, and optional adjacent University style accommodation.







Recommended Adventures



Hiking Single Generated by AI
Recommendations Loading...



Hiking Single Generated by AI
Recommendations Loading...



Hiking Single Generated by AI



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