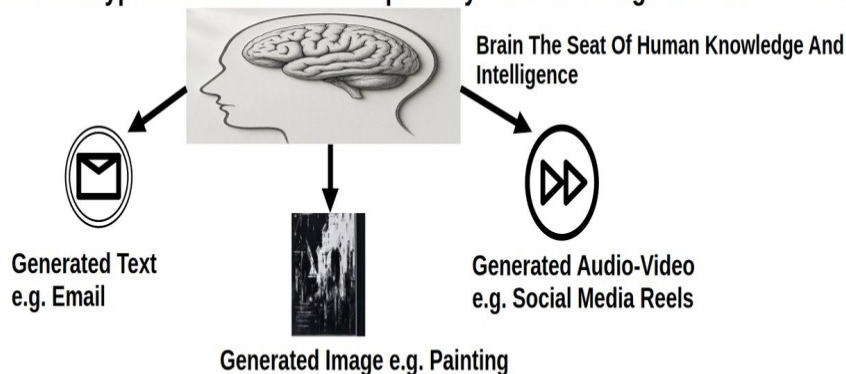


AI-Apps-Software-For-Phones-Computers: Quick Guide

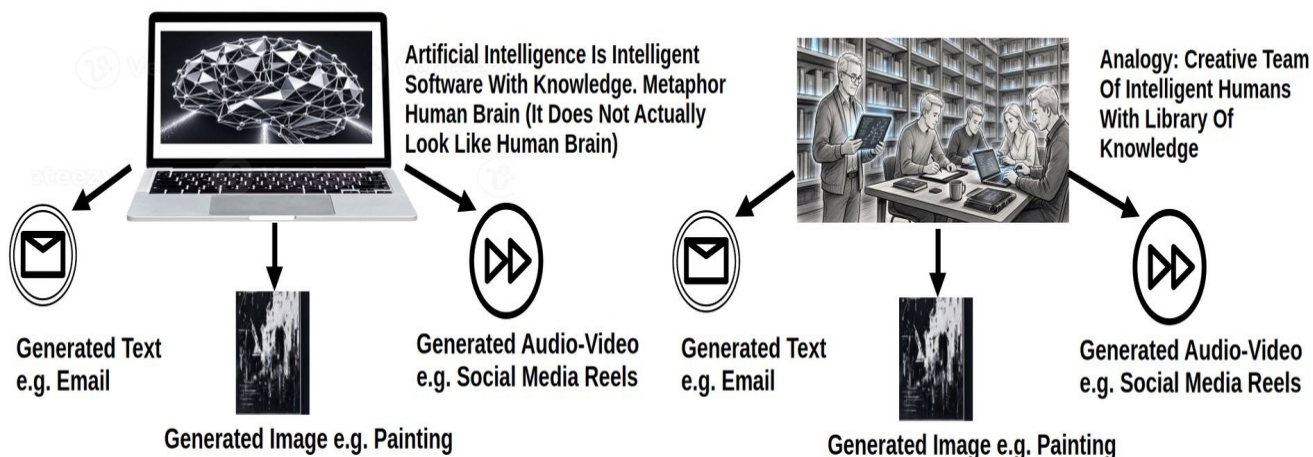
Overview:

In this concise yet comprehensive guide, delve into the fascinating world of Generative Artificial Intelligence (AI). The aim is to demystify AI by illustrating its practical applications in everyday life, distinguishing it from traditional software. To set the stage, we draw parallels between advanced AI systems such as self-driving cars and simpler devices like Xerox machines, explaining how the former employs generative AI while the latter does not. This comparative analysis provides a clear understanding of the capabilities and limitations of AI software. To further elucidate the concept, engaging exercises are offered that showcase the power of generative AI. For instance, learners will be able to create personalized 'Happy New Year' messages in both text and images using simple AI tools like Lumo AI <https://lumo.ai/> and Canva AI <https://www.canva.com>. These hands-on activities serve as an enjoyable introduction to the realm of generative AI. Beyond theory, this guide equips readers with practical resources for both online and offline AI tool exploration. Whether you are a tech enthusiast or a professional seeking to enhance your skillset, this carefully curated list of tools offers a starting point for your generative AI journey. By the end of this guide, readers will have gained a solid grasp of what constitutes generative AI, experienced its power firsthand, and acquired the resources necessary to delve deeper into this captivating field. Embrace the future of technology with Generative AI!

Artificial Intelligence and its subtype Generative AI are inspired by Human Intelligence. AI mimics Human Intelligence



Artificial Intelligence and its subtype Generative AI are software on computer that makes it intelligent. As its intelligent, its not just following your instructions like all other computer software (like Microsoft office) but its understanding and innovating using previous learnt experience like an expert human. Thus, when you ask AI specifically Generative AI to create an email, image or video clip, it uses all its knowledge and understanding to create, like a creative team of artists and scientists with access to all the books inside a library.

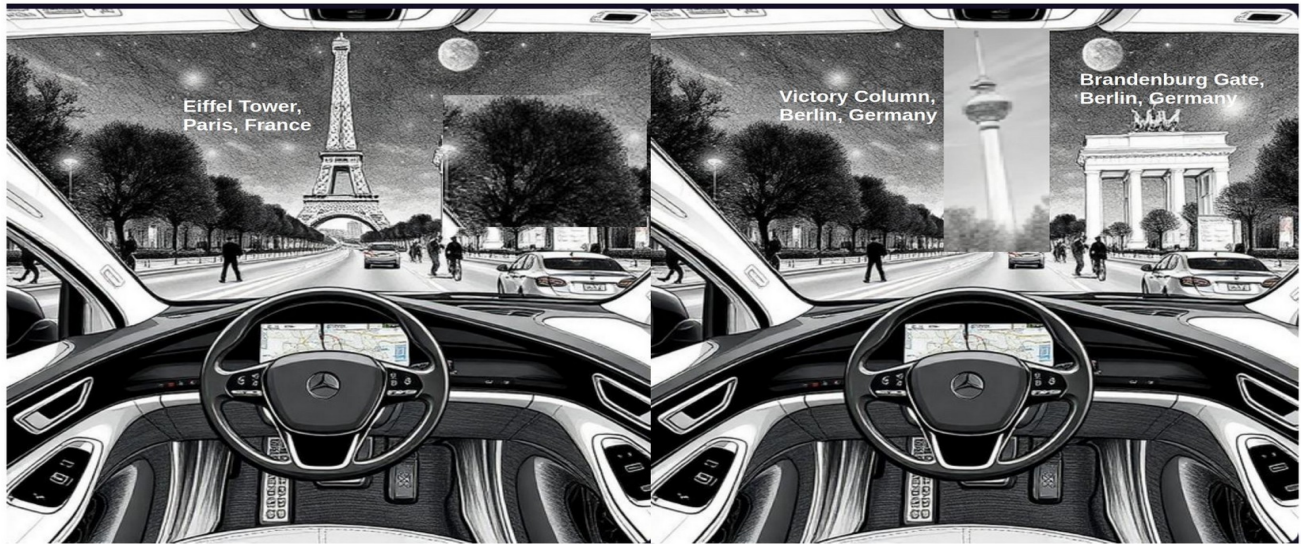


Section: 1: Definition of AI And Detecting AI In Everyday Life

AI (Artificial Intelligence) is computer software designed to tackle a wide range of tasks smartly, just like a human would by mimicking human intelligence. It involves learning, decision-making, or problem-solving abilities. There are also many common phone and computer activities that are not considered artificial intelligence (AI), as they do not involve learning, decision-making, or problem-solving abilities. This exercise is designed to help you distinguish between what's AI software and what's non-AI computer software or machine.

Exercise 1: Is this AI or not? Questions

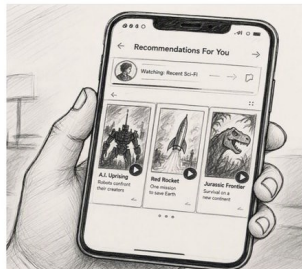
Autopilot: A self-driving car drives you from Paris to Berlin. Can you guess if AI software is involved or not?



Can you guess if AI software is involved or not?



Virtual Assistants
(Siri, Alexa, Google Assistant) replies in detail when its asked about weather by user



Recommendation System:
Streaming service app (Rumble, DailyMotion, TikTok) suggests Sci-Fi movies after watched Jaws.

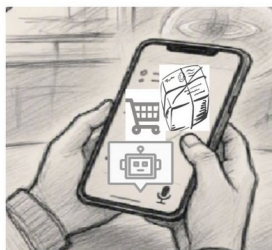


Image Recognition of social media
platform shows a 'square' around face of your friend and suggests which friend from your network it is so that you can tag your friend.

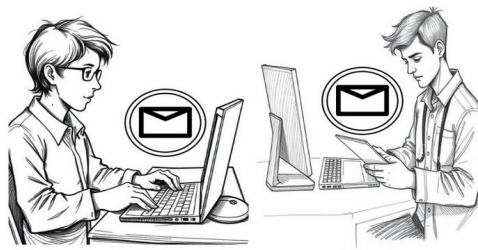


Xerox and Printing: User goes to Xerox shop and makes Xerox copies of their documents using Xerox Machine.

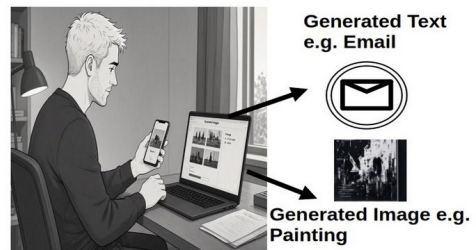
Can you guess if AI software is involved or not?



Chatbots in shopping
app (ArgosUK, CurrysUK) are asked about order status and responds with order tracking.



Sending and Receiving Emails: User types and sends an email to a friend. The friend replies and the user reads it.



GenerativeAI: Creating original content, such as text, music, or artwork that mimics human creativity, but is produced by algorithms.

Exercise 1: Is this AI or not? Answers

Tool or Software or App	Behavior	Is this AI tool or software or app?
Autopilot	Autopilot: Self-driving cars use AI to navigate roads, identify obstacles, and make driving decisions based on real-time data from sensors and cameras. A Self-Driving car, navigating roads, identifying obstacles, making decisions based on real-time data. Example: a self-driving car is an example of artificial intelligence (AI). Self-driving cars use sensors, cameras, and other technologies to perceive the environment around them and make decisions about how to navigate roads and avoid obstacles. These cars use machine learning algorithms to analyze data from these sensors and cameras, as well as GPS and mapping data, to understand the road conditions and plan a safe route. They can also recognize traffic signs and signals, pedestrians and other vehicles, and respond to unexpected situations in real-time. While there are still some limitations and challenges with self-driving cars, they demonstrate the potential of AI to revolutionize transportation by making driving safer, more efficient, and more convenient.	Yes
Virtual Assistants (Siri, Alexa, Google Assistant)	Siri, Alexa, and Google Assistant are prime examples of AI that can understand natural language, answer questions, play music, set reminders, and perform various tasks based on user commands. Conversing and answering questions as a human would. An example of virtual assistants that mimic human behavior by conversing and answering questions as a human would is Apple's Siri. When users ask questions or issue commands, Siri responds in a conversational manner, using natural language processing (NLP) to understand the user's intent and provide appropriate responses. For example, if a	Yes

	user asks "What's the weather like today?", Siri will respond with a detailed weather forecast based on data from various sources. Similarly, when users ask for directions or request to play music, Siri can carry out these tasks seamlessly and interactively, making it feel as if they are talking to a real person.	
Recommendation System (BBC iPlayer, TikTok, Dailymotion, PlutoTV, TubiTV and Netflix 'you may also like feature')	Recommendation Systems: BBC iPlayer, TikTok, Dailymotion, PlutoTV, TubiTV and Netflix use AI to recommend movies, products, and videos based on user preferences and behavior. Suggesting products or content based on past behavior and preferences, similar to how friends might recommend items. An example of recommendation systems that suggest products or content based on past behavior and preferences is the "you may also like" feature on BBC iPlayer, TikTok, Dailymotion, PlutoTV, TubiTV and Netflix. These platforms use machine learning algorithms to analyze user data, such as viewing history, search queries, and purchase history, to make personalized recommendations for additional videos, movies, TV shows, or products that they might be interested in. For example, if a user watches a series of sci-fi movies on Netflix, the platform's recommendation algorithm might suggest other popular sci-fi movies or TV shows that are similar in genre and style. Similarly, if a user searches for a specific item on Amazon, the site's recommendation system might suggest related products or accessories that could complement their purchase. By using recommendation systems, these platforms can provide users with a more personalized and enjoyable experience, while also increasing sales and engagement.	Yes
Image Recognition (Social Media automatic photo tag suggestion)	Social Media's facial recognition technology can identify friends in photos, while self-driving cars use image recognition to navigate roads and avoid obstacles. Identifying and categorizing objects within an image similar to how	Yes

	humans recognize visual elements. An example of image recognition that automatically recognizes faces and categorizes them as specific individuals is the facial recognition feature on Social Media. When users upload photos, Social Media uses machine learning algorithms to analyze the images and identify the people in them. The system compares the faces in the photos with the faces in its database of user profiles, and suggests tags for the people it recognizes. This makes it easy for users to quickly tag their friends in photos, without having to manually search through their contacts or ask others for help identifying individuals. Additionally, image recognition can be used for a variety of other purposes, such as identifying landmarks, objects, and even emotions in photos, based on visual cues and patterns.	
Xerox and Printing	User goes to Xerox shop and makes Xerox copies of their documents using Xerox Machine.	No
Chatbots (customer service in shopping app like ArgosUK and CurrysUK)	Chatbots: AI-powered chatbots can simulate human conversation, providing customer service and support in various industries like retail, banking, and healthcare. Having a conversation, understanding context, providing assistance or information. An example of chatbots that have a conversation, understand context, provide assistance or information is the customer service bot in the ArgosUK and CurrysUK app. When users encounter issues with their orders, they can chat with the bot to get help resolving the problem. The bot uses natural language processing (NLP) and machine learning algorithms to understand the user's questions and concerns, and provides relevant responses based on the context of the conversation. For example, if a user asks "My order hasn't arrived yet, what can I do?", the chatbot might offer solutions such as checking the tracking information or contacting customer service for further assistance. Additionally, the bot can provide answers to	Yes

	common questions about shipping, returns, and account management, making it easy for users to get help without having to wait on hold or search through FAQs.	
Sending and Receiving Emails	Sending and receiving emails: User types and sends an email to a friend asking how they are doing. The friend replies and the user reads it to happily find the friend is doing great. While email clients can automatically sort and filter messages based on rules and filters, the act of sending and receiving emails itself is not considered AI.	No
Generative AI (ChatGPT)	Creating original content, such as text, music, or artwork that mimics human creativity.	Yes

Section 2: Definition of Generative AI (a type of AI) And Using Generative AI In Everyday Life

Generative AI (GenAI) is an AI for creation AND instantaneous access to knowledge.

Think about Generative AI as an imaginative artist's collective with diverse skills such as writing, painting, composing, and more. Imagine these artists have extensively studied a vast library of artworks. Instead of just memorizing these pieces, they've absorbed the artistic styles, tones, and structures. When you give them a specific request or inspiration (like asking for a new piece of music), rather than searching for an existing work (similar to how Google searches for information), they create something entirely new, blending their learned techniques to produce a unique masterpiece.

🌐 ARTIFICIAL INTELLIGENCE (AI)

└─ 🤖 MACHINE LEARNING (ML)

└─ 🎨 GENERATIVE AI (GenAI) Modular by Design so pick from below only the components you need

└─ Text & Language → Large Language Models (LLMs)

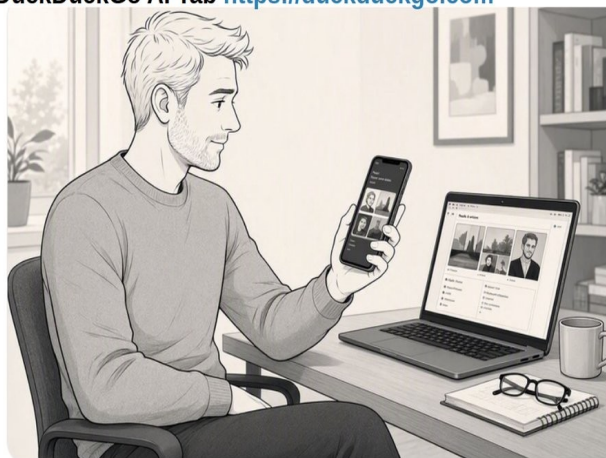
└─ Images & Visuals → GANs, Diffusion Models, etc.

└─ Audio / Video / 3D → Specialized Generative Architectures

Exercise 2: Generative AI Exercises: Use the tools from list of 'Online AI Tools' or 'Offline AI Tools' Questions and Possible Answers

Generative AI can generate content (text, images, audio, video) and improve your existing content.
Can you use Generative AI to generate the following text(s) and image?

Hint: For Text related AI work use 'Text Generation' AI like Lumo AI <https://lumo.ai> or DuckDuckGo AI Tab <https://duckduckgo.com>



Hint: For Image related AI work use 'Image Generation' AI like Canva Image Generator <https://www.canva.com> or Fotor Image Generator <https://www.fotor.com/ai-image-generator/>

Exercise 2.1: GenAI for Search: Prompt: how to make Happy New Year cake less sweet but tasty?

Exercise 2.2: GenAI to Create Text: Prompt: Generate a simple and heartfelt New Year message.?

Exercise 2.3: GenAI to Improve Text: Prompt: Improve this simple and heartfelt New Year message "Happy new year to all your family and friends"

Exercise 2.4: GenAI to Create Image: Prompt: Creating a Happy New Year Greetings Card Image

Exercise 2.1:

GenAI Is Helping Do What Here? Retrieve and Synthesize Information (Search) like a super-powered search engine. Unlike Google, which gives you a list of blue links to click, in GenAI mode the GenAI reads millions of documents and **summarizes the answer for you**. It doesn't just *find* the information; it *understands* and *reorganizes*. **Task:** Search how to make Happy New Year cake less sweet but tasty? **Hint:** Use any text generator from Section 3 or Section 4. **Prompt:** how to make Happy New Year cake less sweet but tasty? **Sample Output: (Possible Answer)** To create a less-sweet yet flavorful Happy New Year cake, bake a Red Velvet Cake made with vegetable oil instead of butter, using unsweetened cocoa powder and reducing the sugar content. Use a cream cheese frosting made with a combination of cream cheese and butter to balance the sweetness without compromising on taste. This recipe results in a beautiful, moist, and delicious cake that's perfect for celebrating New Year while avoiding excessive sweetness.

Exercise 2.2:

GenAI Is Helping Do What Here? Create unique stories, code, or images on demand. **Task:** Create a Happy New Year Text Message **Hint:** Use any text generator from Section 3 or Section 4. **Prompt:** Generate a simple and heartfelt New Year message. **Sample Output:** Wishing you a very Happy New Year filled with love, joy, and laughter! May the magic of this season bring warmth to your heart and peace to your soul.

Exercise 2.3:

GenAI Is Helping Do What Here? Improve your own creativity by acting as a brainstorming partner. It doesn't just store facts; it connects dots between different topics to help you think. **Task:** Improve style of this text to make it more fun "Wishing you a very Happy New Year filled with love, joy, and laughter! May the magic of this season bring warmth to your heart and peace to your soul." **Hint:** Use any text generator from Section 3 or Section 4. **Prompt:** Improve this simple and heartfelt New Year message "Happy new year to all your family and friends" **Sample Output: (Possible Answer)** Boomshakalaka! Wishing you an absolutely smashing New Year brimming with love, joy, giggles galore, and all the good vibes that make your heart skip a beat! May this magical season spread warmth throughout your soul and bring peace to every corner of your life. Here's to making this year even more sparkly than the ball dropping in Times Square! Cheers to a fabulous new year ahead! 🎉🥳✨

Exercise 2.4:

GenAI Is Helping Do What Here? Create in multiple formats (text, image, video) using a single underlying intelligence unique stories, code, images, and videos on demand. **Task:** Creating a Happy New Year Greetings Card Image **Hint:** Use any image generator from Section 3 or Section 4. **Prompt:** Generate a simple Happy New Year celebrations scene and personalized message 'Happy New Year' written in elegant handwriting. **Sample Output: (Possible Answer)**



Happy New Year!



Section 3: Online AI Tools (Free, Online)

Name	Function	URL/Link
DuckDuckGo (Search Engine, Text Generation and Chat)	A privacy-focused search engine that offers anonymous web searching alongside built-in AI chat and summarization features.	DuckDuckGo AI or https://duckduckgo.com/
Lumo (Search Engine, Text Generation and Chat)	An artificial intelligence assistant and conversational interface designed to help users brainstorm, write, and answer questions.	Lumo AI or https://lumo.ai/
Ecosia (Search Engine, Text Generation and Chat)	An eco-friendly search engine that finances tree planting with its ad revenue and integrates AI features to enhance search queries.	Ecosia AI or https://www.ecosia.org
Qwant (Search Engine, Text Generation and Chat)	AI mode only available in French. An artificial intelligence assistant and conversational interface designed to help users brainstorm, write, and answer questions.	Qwant AI or https://www.qwant.com
Komo (Search Engine, Text Generation and Chat)	An artificial intelligence assistant and conversational interface designed to help users brainstorm, write, and answer questions.	Komo AI or https://komo.ai
Brave Search (Search Engine, Text Generation and Chat)	Privacy-centric search engine (Brave Search) featuring a native AI summarizer ("Summarizer") to generate direct answers from web pages. Delivers direct access to an independent, privacy-first web index returning ranked results in clean JSON format.	Brave Search or https://search.brave.com
Google (Search Engine, Text	A major search engine utilizing AI models (such as Gemini and AI Overviews) to process queries, deliver web results,	Google Search or https://www.google.c

Generation and Chat)	and synthesize information.	om/
Mistral AI (Text Generation and Chat)	An artificial intelligence assistant and conversational interface designed to help users brainstorm, write, and answer questions.	Mistral AI or https://mistral.ai/products/vibe/
Venice AI (Text Generation and Chat)	An artificial intelligence assistant and conversational interface designed to help users brainstorm, write, and answer questions.	Venice AI or https://venice.ai/chat/agent
Cortex AI (Text Generation and Chat)	"Neural AI Companions Create sophisticated AI agents with adaptive personalities, powered by advanced neural networks." quote https://cortex-ai.org/	Cortex AI or https://cortex-ai.org/
Talk AI (Text Generation and Chat)	An artificial intelligence assistant and conversational interface designed to help users brainstorm, write, and answer questions.	Talk AI or https://talkai.info/
DeepL (Translate)	An advanced neural machine translation and writing assistant tool powered by deep learning for highly accurate multilingual text translation. Delivers highly accurate, context-aware multilingual text and document translation powered by neural networks.	DeepL Translate or https://www.deepl.com
Google (Translate)	A multilingual neural machine translation service developed by Google to translate text, documents, speech, and websites across numerous languages.	Google Translate or https://translate.google.com/
EaseMate (Image Generation)	An AI-powered image creation tool.	EaseMate AI or https://www.easemate.ai/
Flat AI (Image Generation)	An AI-powered image creation tool.	Flat AI or https://flatai.org/
Canva (Image	A suite of generative AI design tools integrated into Canva	Canva AI or

generation)	(such as Magic Design and Magic Media) to generate graphics, images, and text. Generates premium visuals and graphics directly from basic text prompts using built-in generative models.	https://www.canva.com
Fotor (Image generation)	A suite of generative AI design tools related to image generation.	Fotor AI or https://www.fotor.com/ai-image-generator/
Bing (Image generation)	An AI-powered image creation tool (powered by DALL-E) accessible through Microsoft Bing that generates images from text prompts.	Bing Image Generator or https://www.bing.com/images/create/ai-image-generator
Midjourney (Image generation)	Renders high-fidelity, artistic, and photorealistic imagery from complex natural language text prompts.	Midjourney or https://www.midjourney.com/
Deepai.org (Image generation)	An AI platform offering a suite of generative tools, including text-to-image generators, chat interfaces, and AI-driven creative utilities.	DeepAI or https://deepai.org

Section 4: Offline AI Tools (Free, Offline AI)

App	iPhone	Android	Mac	Windows	Linux	URL	Notes
LM Studio			✓	✓	✓	lmstudio.ai	Best desktop GUI; built-in model browser; ¹ via "Locally" companion app
Jan			✓	✓	✓	jan.ai	Open-source ChatGPT alternative; Assistants/Agents
GPT4All			✓	✓	✓	gpt4all.io	Easiest for beginners; built-in document chat (RAG)
Atomic Chat	✓	✓	✓	✓	✓	atomic.chat	Only app spanning all five; open-source; MCP support; Atomic Chat is operated by AtomicMail Systems OU, which is located in Tallinn,

							Estonia.
PocketPal AI	✓	✓				pocketpal.dev	Most popular mobile; any GGUF from Hugging Face; PocketPal AI, Asghar Ghorbani, is based in Nürnberg, Germany.
AnythingLLM		✓	✓	✓	✓	anythingllm.com	Document RAG + agent builder; no-code; AnythingLLM is owned by Mintplex Labs Inc., U.S.
Soul AI	✓					soul.ai	Soul.AI from Neuro.AI is based in London UK.
Enclave Local AI	✓					enclaveai.app	Piotr Gorzelany's Enclave Local AI is based in Poland, Europe.

Danke! Thank you! Merci!