Artificial Intelligence on the Web3

For decades it was the exclusive subject of science, computing and robotics. The general public hardly dealt with her as part of the plot of a book or a movie, or to talk about the difficulty of the enemies of a video game. **Until in these months Artificial Intelligence became something almost every day**.

The boom began with the popularization of tools to create images from text instructions, such as **Ripio Dreams** or others that also generate audio or video. And it was confirmed by the fascination for the new generation of intelligent bots for chats, such as **ChatGPT**. Two examples of **integration of the web3 with artificial intelligence** close **[Blockchain Technology](#)** that can benefit each other.

What is Artificial Intelligence

Artificial Intelligence (AI, or AI in English) is a branch of informatics and computer science that seeks to develop intelligent machines. These artificial intelligences are **computational systems built using specific hardware and software to simulate functions of human intelligence**, such as learning new knowledge or tasks, being able to synthesize data, contrasting and interpreting information.

What types of Artificial Intelligence exist

- **Expert Systems** – Mimic the "expertise" of an expert in a specific field and make decisions based on a set of rules.
- **Natural Language Processing** - Develop understanding of everyday language to generate more natural translations and responses.
- **Speech Recognition**: recognize the human voice, interpret it or transcribe it to text.
- **Computer Vision**: They include photographs, drawings, diagrams and videos from algorithms and learning models.
- **Machine Learning**: Systems that learn, self-correct, and improve with experience.
- **Deep Learning**: Using learning algorithms that mimic the neural networks of the human brain, they can help in analyzing complex data and performing difficult tasks.
- **Cognitive Computing**: These are machines that can understand and mimic the human way of processing information and acquiring knowledge.

Uses of Artificial Intelligence on the web3

Many areas of the so-called web3 can benefit from the use of artificial intelligence tools.

AI for decentralized exchanges (dexes)

They can improve the efficiency of the user experience, recommending personalized trading strategies or helping to streamline portfolios and investment profiles.

AI for identity validation

They can apply facial recognition and other complex biometric methods without the need for human intervention or registration, protecting the privacy of users.

AI for digital assets and properties

They can optimize the use of digital identities that allow them to access and control goods, data and services without needing to log in or request permission from a service provider.

AI for smart contracts

They can be the final twist to finish dispensing with human intervention in the execution of smart contracts, generating automation and dynamic responses.

AI in web3 gaming

They can improve the quality of games with more sophisticated NPCs, dynamic stories, and generative scenarios. And also crystal clear automates in-game economies.

AI for search and ads

They can offer personalized results for each user without compromising the privacy of each one. Similarly, they can better filter ads relevant to each user.

AI for user care

They can improve the experience with chatbots that provide answers, assistance and personalized advice, with varying degrees of complexity, and to many clients at the same time.

Advantages of using Artificial Intelligence in web3

In general, **AI [Blockchain Development Company](#) can improve the experience of users of web3 projects** by facilitating more responsive interfaces that adapt to the use and experience of each one. **And at the same time, AI projects can benefit from web3 as a space for interoperability**, since different AIs are good at working in closed systems but often have trouble communicating with each other.

Some of the meeting points where the relationship between AI and web3 shines are:

- **Increased Accuracy and Efficiency**: AI can reduce errors and raise the overall quality of web3 dapps.
- **Better usability**: more relevant and personalized results, easier-to-use interfaces, trainable flows and processes, multi-level assistance.

- **Enhanced security**: AI is an extra layer, capable of automatically solving some cyberattacks and problems such as data breaches.
- **Extended scalability**: AI developments make it easier to scale projects and platforms, optimizing decisions and saving time and money.
- **Authenticity and ownership**: With blockchain protocols such as NFT plus AI it is possible to generate authenticity, ownership and reputation validation systems.