NEUROCHAIN

Reinventing the Block Chain through AI and Machine Learning

The NeuroChain invented a reputation scoring system that selects and rewards the bots who share the highest quality information

Block chain has become the new buzzword in the business landscape. Across global supply chains, financial services, and many other industries, organizations are exploring new ways to optimize block chain to disrupt and transform their traditional business models. However, while block chain is soaring in popularity, some organizations are calling attentions to the pitfalls and limitations of this new technology as they may create technical barriers for many businesses.

Goujon and Dr Chouli, the two industry veterans, sought to address these technical barriers of the new technology. But their focus was not on the enhancement of block chain but rather was on the reinvention and optimization of the existing block chain technology. To this end, they optimized artificial intelligence and machine learning, and developed the NeuroChain technology, an augmented block chain powered through artificial intelligence and machine learning.

Frederic Goujon
CEO
NeuroChain

And to make it clear, they gave the name of their new invention to the company. Today, Goujon is the CEO of NeuroChain and Chouli is the CTO of the company. While Goujon has over twenty of experience in the world of business creation and development using big data, Dr Chouli has an irrevocably solid scientific background accumulated by the time in the best engineering schools and research centers of the world, namely the Atomic Energy Authority (CEA) Research Center, Polytechnique School of Paris, Plasma Fusion Research Center of Oxford and the legendary MIT.

Famed as the new block chain, NeuroChain holds numerous advantages over its ancestor. From the technical perspective, NeuroChain offers a host of benefits such as the speed, agility, adaptability, integrity, and reliability. "At a first glance, the way that NeuroChain is designing its ecosystem makes one think that NeuroChain has made the perfect internal model for a new & improved block chain, and that is almost definitely the case," says Goujon, CEO of NeuroChain. But what really differentiates NeuroChain from block chain is its ability to be compatible for an external context, which is now deemed as block chain's biggest unfulfilled promise.

Powered by AI and machine learning, NeuroChain technology is an augmented block chain that replaces the common block chain's consensus algorithm (Proof of work) with another of its own: Proof of involvement and Integrity process. Basically, "the NeuroChain invented a reputation scoring system that selects and rewards the bots who share the highest quality information," adds Dr Chouli.

To put things into perspective, Goujon explains the entire process with an example. "Let us suppose you have a factory that manufactures goods and transports them to their retail selling location. Since you are not able to track the drivers who handle the cargo in an unsafe manner, it can lead to ruining the goods and harming your business." This is where NeuroChain's bots come in. Through the three key criteria of the new consensus: entropy, enthalpy, and integrity, the bots will be able to track, detect, and propose solutions to drivers who transport the cargo in an unsafe manner. This, in turn, helps customers to ensure that their businesses run in a safe and appropriate manner.

"The quality of NeuroChain's network and information is constantly monitored since each one of its nodes (the bots) is submitted for constant evaluation," affirms Dr Chouli. Since all the bots are inter-connected and the sharing of information is highly incentivized, machine learning algorithms calculate who the information most matters to. Thereupon, AI ensures it's correctly distributed.

By employing the company's quintessential NeuroChain technology platform in place, organizations will be able to host and optimize collective artificial intelligence applications based on the key four concepts that revolutionize block chain. It includes intelligent ultra-fast, safe and reliable bots, collective artificial intelligence ecosystem, an ingenious decision-making protocol to improve performance, and an open source initiative. While these four key concepts allow the creation of intelligent, safe, very fast and extremely reliable applications which improve the transparency; the traceability; the processes to exchange; to select and to secure data; they also provide a response to the requirements of all players— from financial (disintermediation) to Cultural (e-learning) and charitable (donations) requirements. "We also want to offer a platform based on an infrastructure that offers the highest level of service and allows secure exchanges of large amounts of data," states Goujon.

The company going forward has already developed the roadmap for the coming five years. The five years roadmap is as follows:
Phase 1: The new Block chain infrastructure based on Proof of involvement and integrity. The time estimation is about 9 months after the ICO consolidation.
Phase 2: Integration of Proof of Workflow allowing intelligent applications based on Machine Learning. This functionality is expected 15 months after the ICO consolidation.
Phase 3: The third phase, two years after the ICO consolidation, is the integration of intelligence sharing property by the Bots and instauration of collective artificial intelligence.
Phase 4: Five years after the ICO consolidation, self-consistent distributed system will be achieved where the Bots experience a form of autonomy.
With this ideal roadmap and mission-driven journey, we can definitely say that NeuroChain will prove to become path-breaking re-inventors in the block chain arena.

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