

AI and crypto integration is going to happen whether you want it or not

As artificial intelligence continues to grow to new heights of popularity, industry players are considering new ways the technology could integrate with crypto and blockchains.
AI tech
crypto blockchains

During Coinbase's State of Crypto Summit on Thursday, venture capitalists and AI experts shared their thoughts on the similarities and differences between the industries and how investors, builders and users can capitalize on it.
자본시장
기술
자본가

Digital ownership

One of the crypto spaces' ethos is the idea of owning your assets, data and identity, as opposed to giving it away to sites like Facebook and Instagram. But the need for owning your own data is applicable not just in the web3 space, but in AI, too, said Fred Wilson, co-founder of Union Square Ventures.
자산, 기록
내가 아니라
필요

In the future, users who employ AI tools are going to want to control their own data and determine what models can and can't train themselves with their information. "Users are going to need agency over data and increasingly the way they want it [shared across] assets," he said.
제어
데이터
자산

That issue with data in AI applications could be a fit for blockchain technologies that are already built to support data privacy, transparency and auditability throughout the ecosystem, Chris Meserole, director of artificial intelligence and emerging technology initiative at The Brookings Institute, said.
new tech it blockchain
데이터
투명성
감사 가능성

Blockchains can verify information (provided by users), but those users could retain control over it and determine how it's used. Blockchains are also publicly available, making them transparent and smart contracts are auditable and open for anyone to see. For companies concerned about data leaks into AI models, this could be a more attractive option.
data privacy
blockchain with ①②③

This could be applied to areas like healthcare and financial information because people have a lot of concern about their data being used. So crypto could potentially provide value and give "people the confidence in being able to transact with AI," without giving away personal details directly, Wilson said.
blockchain with ①②③
personal detail = data
ppl
crypto
AI

The nature of technology is constantly changing, and in order to keep up with the evolution, there needs to be smarter ways to innovate. While some are arguably hesitant of the crypto or AI industry — or both — there's potential for the two industries to band together and gain more adoption through thoughtful use cases that revamp the way our data is used and stored.
혁신
기대

A growing relationship

In the past, the web3 and AI industries each independently enjoyed “hype cycles” that built up attention and capital that later dispersed. Now we’re in a “full AI hype cycle” and in a “bear market, downturn [and] disappointment phase for web3,” Wilson said.

But as the industries see alternating cycles, there’s an intersection where the two meet — and the panelists said they think that the overlap is only growing over time. “Web3 sector has a bit of a bad name with a lot of people because we haven’t built stuff that changes their mind,” Wilson said.

And it’s a fair critique, as many mainstream audiences have yet to see value in web3 products and services. Some have become crypto enthusiasts buying cryptocurrencies like bitcoin and ether, while others saw value in buying digital collectibles. But overall, the industry has largely failed at bringing mainstream use cases to life, Wilson said.

AI has gone through hype cycles and didn’t work and didn’t work and has now graduated to the point it’s built in so many applications people have accepted it and that’s what web3 needs to do,” Wilson said. “I personally think [that turning point] will happen with web3 in the next five to 10 years and be in the water everywhere.”

The “tremendous opportunity”

But even if AI has managed to skate ahead of web3 when it comes to mass-adoption and consumer enthusiasm, the two technologies are running straight into one another, at least in the minds of the panelists assembled.

A lot of innovation on the AI side is going to be “intimately related to crypto and vice versa,” Meserole said. “There’s tremendous opportunity out there for the application side and policy side. [But] we should be levelheaded about where AI and crypto is and know it will come back in a short order.”

Some blockchains, like Solana, have integrated ChatGPT plug-ins with their network to help users interact with their chains. The Solana Foundation also launched an AI accelerator program and upped its AI-focused grant program for projects from \$1 million in late April to \$10 million in late May.

“Those two technologies are going to increasingly intertwine and intersect with each other,” said Chris Lehane, chief strategy officer at crypto-focused firm Haun Ventures. “It’s critical we think strategically about their relationship.”

* Web3란

web 1.0 읽기

web 2.0 + 쓰기 ex. 유튜브 → 문제점 :
 (계정명 지어
 플랫폼이 개인 제작물 정보 공유
 수익창출 통제
 개인 정보 유출)

web 3.0

+ 소유 (개인이 정보 소유 가능)

'탈중앙화' = 플랫폼
 '개인화된 인터넷 환경'

← how? 블록체인의 기술.
 (P2P) 가 가능해져 정보를 탈중앙화하면
 네트워크 전체를 캐싱.

블록체인 → 리미티드 기계
 암호화 분산화 각 섹터별 탈중앙화 어플리케이션 증명
 ∴ 보장이

* 블록체인과 AI

새로운 AI : 탈중앙화 속 by '콘텐츠 제작의 탈중앙화' → 각 분야별 응용 AI 모델 근대화
 ↳ 창작자가 하는 결과물을 테스트로 입력하면 변환 가능

1. 데이터가 화폐를 대체할 수 있을까요? 이유도 함께 설명해주세요

- 대체할 수 있다고 생각한다. AI를 비롯한 기술 발전에도, AI가 정보를 학습하여 성능을 높이는 데도 모두 데이터가 필수적이다. 개인정보 보호가 중대한 가치로 떠오를수록 개인에 관한 데이터는 다다익선인 일종의 자산이 되기 때문에 화폐의 기능을 할 수 있다고 본다.
 특히 한 사람에 관한 데이터에도 그 종류가 수많은 가운데, 단순히 기호만을 보여주는 선호도 정보가 있는가 하면, 전화번호 / 주소지 / 성별 / 나이가 주민등록번호와 같은 더 귀중한 정보로 나눌 수 있다. 따라서 정보 간 가치의 우위에 따라 화폐량이 구분지어질 수도 있을 것이라 생각한다.

2. AI와 web3 기술이 통합된 세상에서 어떤 데이터가 가치를 인정받을 수 있을까요?

-본인이 창출할 수 있는 가치(데이터)

자유롭게 예시를 들어주세요.

- AI에 입력하는 데이터의 차이에 따른 결과물의 차이를 보여주는 지표 혹은 그 데이터를 가지고 만든 실제 구현사례(-> 입력값에 따른 출력값의 차이를 알았을 때 창작을 위한 조작이 자유로워질 것이기 때문)
- AI를 활용한 암호화 기술의 발전(입력 데이터에 따라 암호화 계산이 달라져 보안강도를 높인다던가?)

3. 현재는 Web3 기술을 실생활에서 어떻게 활용할 수 있을지에 대한 논의가 많이 이루어지지 않은 상태입니다. 미래에는 Web3 기술(블록체인, nft, smart contract 등)이 어떻게 실생활에서 활용될 수 있을지 예상해봅시다. (본문 내용 - AI와 통합 제외하고)

- 탈중앙화된 애플리케이션 - 중앙 관리자 없이 동작, 사용자들 간의 신뢰와 투명성을 보장, 개발자와 사용자의 직접적 상호작용 및 중개자 없는 경제적 거래
- 옛날 싸이월드와 같은 개인 미니홈피 공간 제작 활성화 -> 개인 창작물 자유롭게 저장하고 이를 이용한 꾸미기, 이외에도 본인만의 개인적 공간 자유롭게 창조, 나아가 기술의 발달로 현실세계와 연동?
- 기존 탈중앙화된 인터넷 / 탈중앙화된 금융 시스템(아무래도 은행이 사라지지 않을까..) / 디지털 자산의 소유권 /

참고자료

Web3란

<https://brunch.co.kr/@louiehwang/11>

<https://www.codestates.com/blog/content/web3-0%EC%9D%B4%EB%9E%80-%EC%A0%95%EC%9D%98%EC%99%80-%ED%8A%B9%EC%A7%95-%EC%A0%84%EB%A7%9D>

블록체인과 AI

https://dbr.donga.com/article/view/1203/article_no/10806/ac/a_best

<https://www.coindesk.com/news/articleView.html?idxno=91996>

nft란

<https://www.skcareersjournal.com/2508>