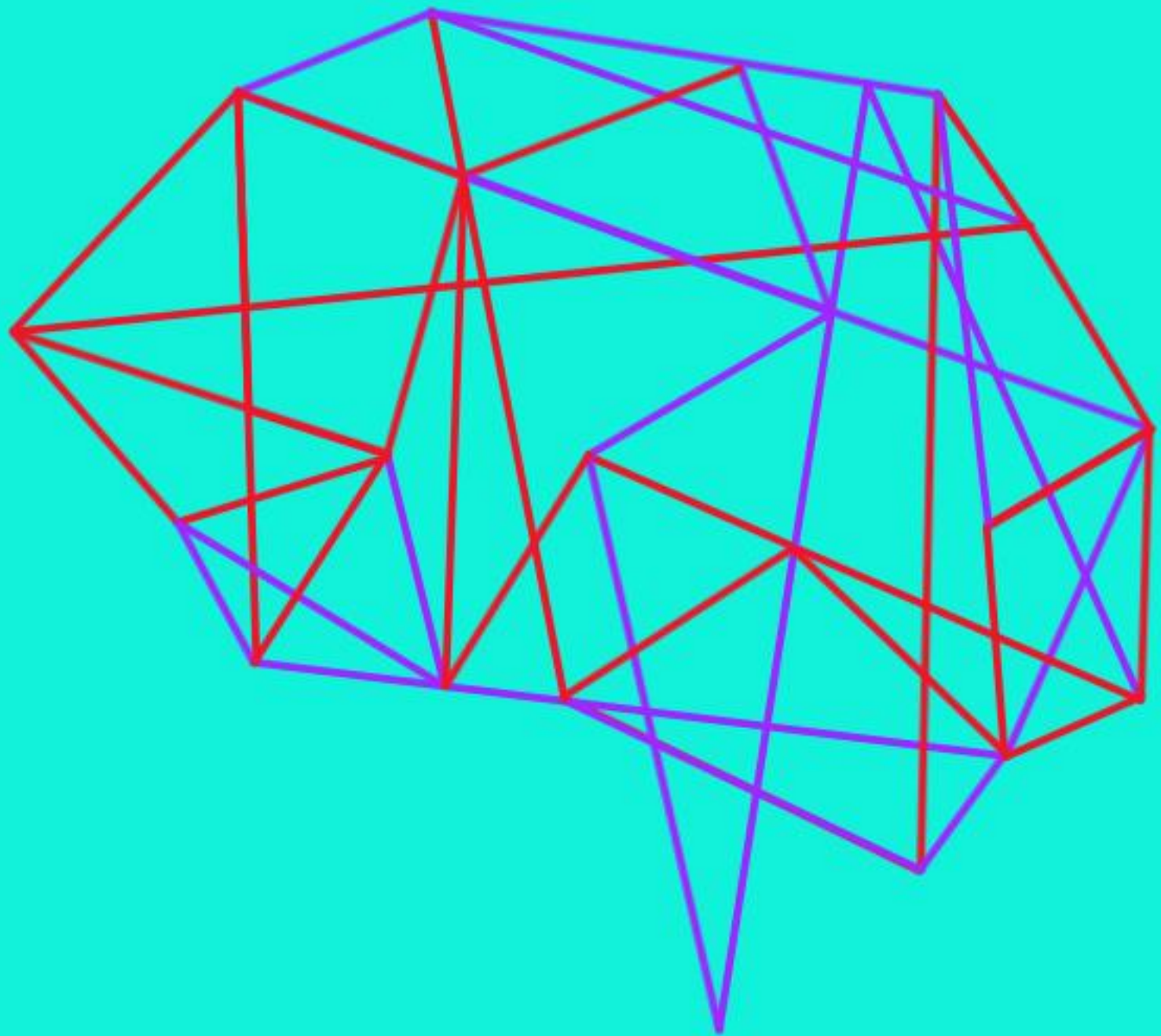




RESEARCH

AI x blockchain

- synergies overview



Swipe 

AI and blockchain

— two equally disruptive technologies, but only one is currently stealing the show.

What if we combined them to leverage each other's transformational powers?

The Onchain research team analyzed **107 AI x blockchain projects** and **interviewed over 450 founders and experts** to discover how the synergies between AI x blockchain work.

What are the key takeaways?

High-potential AI x blockchain synergies

Question: Which synergy (from the ones you recognize) do you perceive as the one with the highest potential for the future?

Total responses: 437

Enhancing the trust in AI data thanks to decentralization

16.7%

73 responses

Improving the security of smart contracts

15.6%

68 responses

Optimizing crypto trading thanks to machine learning

13%

57 responses

Optimizing blockchain operations thanks to AI algorithms

11.7%

51 responses

Improving the transparency of AI thanks to blockchain

11.4%

50 responses

Providing decentralized GPU computational resources for AI algorithms

11.4%

50 responses

Democratizing access to data for AI purposes and further research


11.2%

49 responses

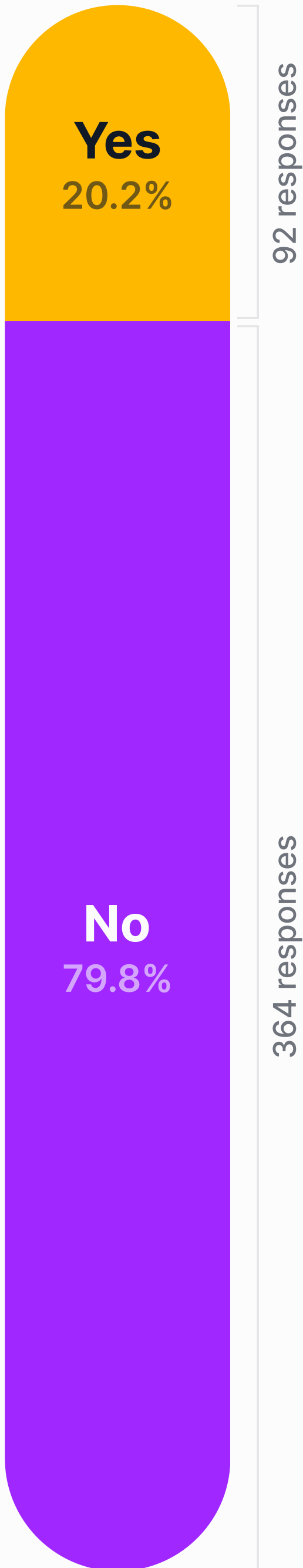
Improving blockchain data management thanks to AI

8.9%

39 responses

Swipe 

The Onchain team found that the adoption of AI and blockchain convergence in companies is still **mediocre** at best.



Have you or your company implemented any solutions based on AI x blockchain convergence?

Total responses: 456

Most survey respondents work in technological industries, however only 20.2% have already implemented combined AI & blockchain solutions.

The majority of implemented solutions are focused on AI algorithms that increase the security and efficiency of blockchains.

However, **23.9% of companies use the distributed ledger to enhance the trust in AI algorithms**, either on their employees' or clients' side.

See the next table.

The most popular implementations of AI x blockchain synergies in companies

Question: Which synergy (or synergies) did your company implement?

Total responses: 92

Improving the security of smart contracts

32.6%

30 responses

Optimizing blockchain operations thanks to AI algorithms

25%

23 responses

Enhancing the trust in AI data thanks to decentralization

23.9%

22 responses

Optimizing blockchain data management thanks to AI

22.8%

21 responses

Optimizing crypto trading thanks to machine learning

20.7%

19 responses

Providing decentralized GPU computational resources for AI algorithms

18.5%

17 responses

Democratizing access to data for AI purposes and further research

16.3%

15 responses

Improving the transparency of AI thanks to blockchain

16.3%

15 responses

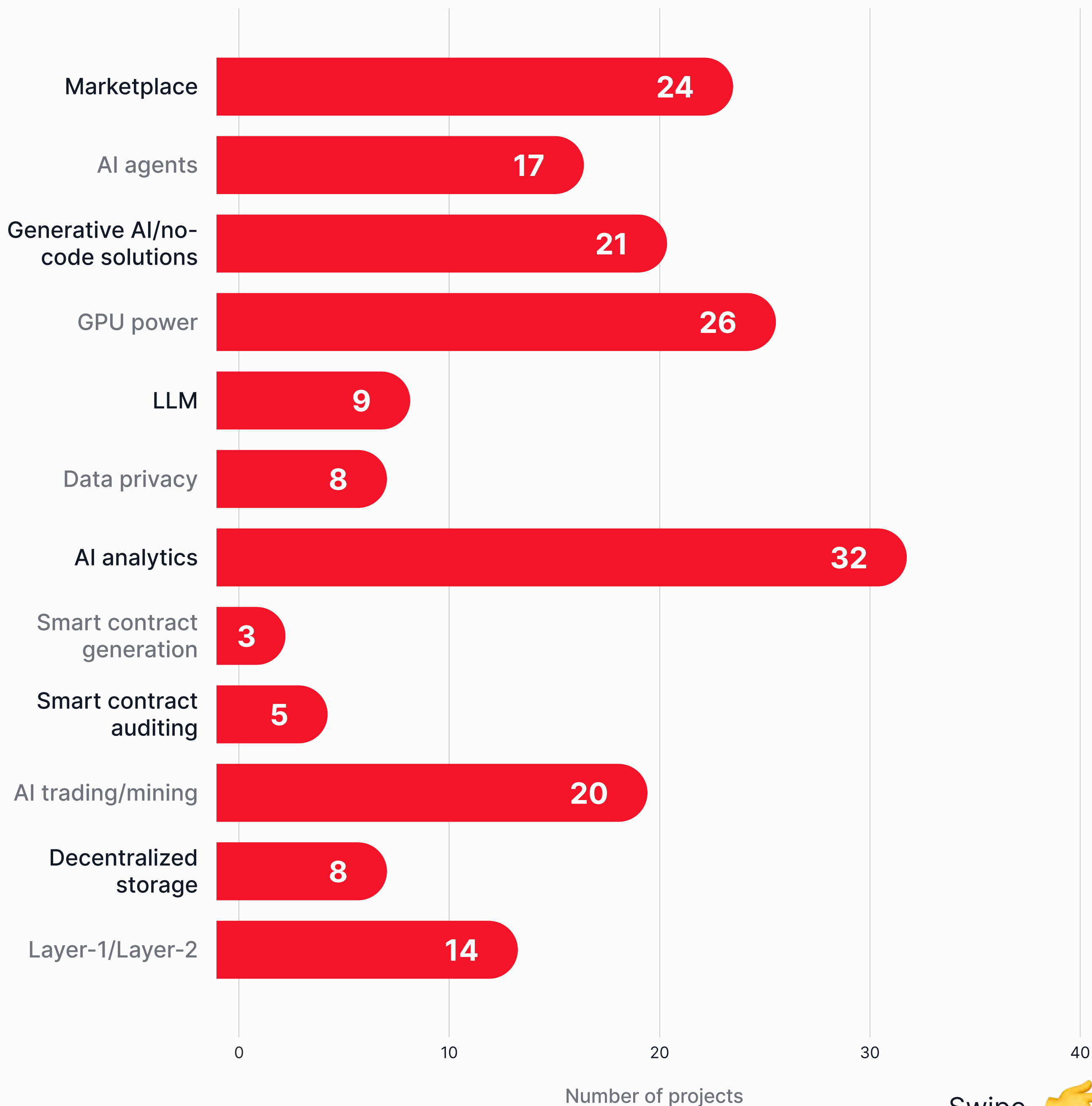
Swipe 

Not surprisingly, **almost 50%** implement an AI & blockchain synergy to improve cost efficiency, **45%** seek to optimize internal processes, and **37%** aim to improve their value proposition.

These four application sectors leverage the AI x blockchain alliance the most:

- Generative AI
- Battling fake news
- Micropayments
- Smart contract auditing

Utilities of Web3 AI projects



Learn more about the current state of the **AI and blockchain market** in the Onchain research report.

Check it out 