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AI and Blockchain Integration

Blockchain is a database used in business networks- a decentralized database that records transactions.

* Transparency
* Security
* Decentralized
* Slower
* It’s a trustworthy program for people who want to send large amounts of money. It’s very useful but slow. Trust and confidentiality are the program's main key points.

Example: nft, crypto, bitcoin.

* Smart contracts: a self-executing program that automates the actions required in a blockchain transaction. Once completed, the transactions are trackable and irreversible.
* Centralized systems: single authority, vulnerable to tampering.

Use cases:

* Decentralized AI market: No group of people holds authority over the overall network. Anything can happen, and nothing will be done. Data cannot be altered. Securely trade AI models and datasets.
* Data and monitoring: The AI system will monitor the buyers so there are no scams.
* Healthcare: data-driven optimization, predictive analytics, and streamlined processes, potentially reducing energy consumption in healthcare facilities and operations.
* Security & Scalability: Ensure transaction authenticity. Protects data shared by the two people.
* Supply chain: transparent tracking of goods and predictive logistics. AI predicts demand and optimizes logistics.
* Energy efficient: optimizing energy distribution, predicting demand, and automating processes, ultimately leading to a more sustainable and resilient energy system.