

This gave the model a broad understanding of language, including nuances and cultural references, making it more adept at understanding human communication.

Overall, the creation of ChatGPT involved a combination of data collection, pre-training, and fine-tuning, resulting in an advanced AI model that is capable of generating natural-sounding text and engaging in human-like conversation.

## REFERENCES

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## **HISTORY OF THE BLOCKCHAIN: HOW DOES IT WORK?**

The subject of work is blockchain. It is one of the most innovative and promising technologies of our time. In a world where digital technologies permeate all areas of life, blockchain is becoming an integral part of our future digital economy. To understand how blockchain works and how it could change our world, we must start with its history.

Purpose of the work: to find a complete understanding of blockchain technology and its application in various industries, and studying the history of blockchain; to find out how this technology has evolved over time and what problems it solves; to find out how blockchain validates and stores data, what advantages this process has over traditional data storage methods, and what limitations and problems exist in using blockchain. Is it possible to use this technology in the future?

Blockchain is a distributed database that contains information about all transactions carried out in the system. The information is found in the form of blocks of blocks. Each of them measures the number of transactions.

What is a distributed database?

The word “distributed” means: there is no centralized organization that would check this process. The blockchain analogy is a necklace. Each bead is a “block” or record of an action. This necklace – or “chain” – cannot be destroyed. Thus, the blockchain is an indestructible digital record of actions. The reliability of this system allows it to be used to improve the efficiency of money transactions and information exchange among individuals, corporations and even the public sector.

The history of the concept of “blockchain”. The concept of “block-

chain” has no national origin; it has network “citizenship”. The history of the term began in 2008, when an anonymous person or a group of persons hiding under the pseudonym Satoshi Nakamoto published an article that became the manifesto of this innovative technology. The article described its essential characteristics and the possibility of creating a decentralized system of monetary settlements.

Where can blockchain technology be applied? Blockchain projects are used in the banking sector, financial services, payment services, the public sector (public services, real estate registries, notaries, electronic voting, etc.), transport and logistics, healthcare, intellectual property management, energy, etc. Conclusion: based on the nature and properties of blockchain technology, it can be argued that this technology is a mechanism that provides the highest degree of security, data identification, which makes the blockchain in demand and promising in almost all areas.

#### REFERENCES

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#### **ARTIFICIAL INTELLIGENCE AND THE FUTURE OF HUMANS**

The subject of this work is artificial intelligence (AI) and vast majority of humanity is not familiar with the concept. AI aims to allow a computer to function like a human brain. However, this does not mean that AI seeks to emulate every aspect of the human brain. AI does not need to pretend to be biological, although the media often wrongly describe it as a human-like machine, which is capable of surpassing humanity in all aspects. As a result, there is not only the misunderstanding of the concept but also a forthcoming fear of AI. Do we need to live in a world where our intelligence may be perceived as lacking? Are these precautions valid?

The purpose of our work is to collect and analyze the veracious information provided, and make legitimate conclusions on how and in which ways the AI will develop and contribute to society.

There’s virtually no major industry that modern AI – specifically, “narrow AI”, which performs objective functions using data-trained models and often falls into deep learning or machine learning – hasn’t already affected. Some sectors are at the start of their AI journey, while others have stuck with