

ENSURING PUBLIC SAFETY USING INFORMATION TECHNOLOGY AND ARTIFICIAL INTELLIGENCE

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Annotatation: The article analyzes scientific and practical research that is being carried out to create artificial intelligence so that a person can become an intellectual. Also today, proposals and recommendations were presented to determine the level of security of information that serves the development of society and does not allow it to pose a threat to human life.

Keywords: Information, Information security, artificial intelligence, information technology, generative artificial intelligence, electronic storefront, website.

Annotatsiya: Maqolada inson intellekt sohibiga aylanishi uchun suniy aqlni yaratish ustida amalga oshirilayotgan ilmiy va amaliy izlanishlar tahlil qilingan. Shuningdek, bugun jamiyat taraqqiyotiga xizmat qilayotgan axborotlarni xavfsizlik darajasini aniqlash va ularni inson hayoti uchun xavf keltirib chiqarmaslik borasidagi taklif va tavsiyalar keltirib o'tildi.

Kalit so'zlar: Axborot, Axborot xavfsizligi, sun'iy intellekt, axborot texnologiyalari, generativ sun'iy intellekt, elektron vitrina, web-sayt.

Аннотация: В статье анализируются научные и практические исследования, которые проводятся по созданию искусственного интеллекта, чтобы человек мог стать интеллектуалом. Также сегодня были представлены предложения и рекомендации по определению уровня безопасности информации, служащей развитию общества и не позволяющей ей представлять угрозу для жизни человека.

Ключевые слова: Информация, Информационная безопасность, искусственный интеллект, информационные технологии, генеративный искусственный интеллект, электронная витрина, веб-сайт.

Maintaining peace and tranquility in our country, maintaining public order, protecting the rights and freedoms of citizens is the main condition for development, and one of the important factors for ensuring the well-being of the population.

The informational changes taking place in the world are becoming more and more dangerous for human society. Through information structures, factors that negatively affect the gene pool of humanity are emerging, which has a significant impact on the development of the thinking of the young generation in particular. Among the directions that are important for the development of each era, the idea of activating information through artificial intelligence and serving it well for human benefit is one of the extremely important and inevitable processes for today's and tomorrow's perspective.

In this regard, we can give different definitions to information. Ensuring information security is the fulfillment of standards and requirements for the protection of user information.

Information security is the protection of information and information communication system objects from random and organized effects of a natural or artificial nature that harm information users and many information systems. Of course, these definitions are concepts with primary information, and the protection and implementation of information is the main direction. In this regard, reforms are being implemented in our country, which will be necessary to serve human thinking and intelligence.

In particular, on February 17, 2021, the Decision of the President of the Republic of Uzbekistan "On measures to create conditions for the rapid introduction of artificial intelligence technologies" was adopted. The purpose of this Decision is to rapidly introduce artificial intelligence technologies in accordance with the "Digital Uzbekistan - 2030" Strategy and their widespread use in our country, to ensure the possibility of using digital information and its high quality, to provide qualified personnel in this field. is to create favorable conditions for personnel training.

Also, this document defines the main directions and principles of the application of artificial intelligence, as well as the development of the strategy for the development of artificial intelligence, which defines the conditions for the comprehensive formation of this field in the near and long term, in economic sectors and the social sphere, public administration. It envisages the development of artificial intelligence technologies in the system and the development of a legal framework defining uniform requirements, accountability, security and transparency in their use, improving the quality of public services in the interests of the population. In turn, artificial intelligence that encourages the wide use of artificial intelligence technologies to increase the efficiency of state bodies in data processing, conduct fundamental and applied scientific research on the development of useful technological solutions, and their subsequent commercialization goals and tasks such as creating a local ecosystem of innovative developments in the field of

In the decision, the application of artificial intelligence technologies in which areas and how, the tasks envisaged in this regard are also fully reflected.

For example, in the field of agriculture: the use of artificial intelligence technologies in the process of monitoring the condition of the soil and agricultural crops, as well as the operation of agricultural machinery, including combines, based on the data of remote sensing of the earth. kept in you.

In the banking sector, to increase the effectiveness of monitoring the activities of commercial banks and simplify their compliance with regulatory requirements (SubTech and RegTech), as well as to analyze the quality of banking services, remote biometric identification of users (Face-ID) and credit risk assessment. The task of applying artificial intelligence technologies is defined.

In the financial sector, it is envisaged to use artificial intelligence technologies to analyze and improve the efficiency of budget expenditures, pension, social and insurance payments, as well as benefit payments.

In the field of taxation, the use of artificial intelligence technologies to analyze the tax revenues of legal entities, to identify differences in tax payments, and in the field of transport, to monitor their movement during the management of locomotives and to warn drivers in dangerous situations, to analyze the movement of public transport and their optimal route. tasks of using artificial intelligence technologies in determining routes, as well as monitoring traffic and traffic jams.

In accordance with the decision, on the basis of the Scientific and Innovative Center of Information and Communication Technologies at the Tashkent University of Information Technologies named after Muhammad al-Khorazmi and the Scientific and Practical Center of Intellectual and Software Systems at the National University of Uzbekistan named after Mirzo Ulugbek, Digital under the Ministry of Information Technologies and Communications Development Tasks for the establishment of a scientific-research institute for the development of technologies and artificial intelligence have been defined.

At this point, it should be noted that this Decision is defined in the priorities of the State Program for the development of the economy in 2020 - "Year of Science, Enlightenment and Digital Economy Development" - rapid development of the "Digital Economy", digital technologies in all

spheres of human activity. wide implementation, including in the fields of health and education, automation of production and management systems in the real sector of the economy, as well as the fact that it served to ensure the execution of tasks related to the integrity and stable operation of the information system and information security is important.

Of course, a lot of work is being done to ensure public safety using information and artificial intelligence technologies in our country. Among these, the legal bases of the widespread use of modern technical tools in the legislation of developed foreign countries are presented, and we can see that their effective use is more widely implemented in practice.

In particular, the UN General Assembly adopted the first resolution on the global regulation of the development and use of artificial intelligence technologies. In this regard, the document developed by the United States mentions the need to create a single international system of artificial intelligence regulation. The UN General Assembly unanimously adopted the resolution.

"Artificial intelligence is already being used to diagnose diseases and predict natural disasters, helping farmers grow more crops and teachers teaching more students. At the same time, artificial intelligence can be used against humanity, so the UN adopted a resolution regulating its use," said the American diplomat.

More and more e-commerce participants in Uzbekistan - banks, retail, fintech companies, marketplaces - are seeking to use speech and video analytics and smart assistants.

If at first artificial intelligence was often perceived as something threatening, with the advent of GPT (Generative Artificial Intelligence) chat, which communicates in human language, people began to treat it more loyally and more actively. began to use.

Artificial intelligence is actively used in remote biometric identification for facial recognition and "liveness" verification. In this case, we are talking about the banking sector. Launching bank customers is introducing the user to the product and its benefits. One of the directions that integrator developers are working on today is video analysis based on the effects of neural networks. According to experts, such technology helps to develop business, and also makes working conditions in production safer, because it involves monitoring the safety of workers and identifying possible threats. It can also be useful in retail (identifying popular products), banking (tracking customer movements), and security (detecting suspicious activity).

Today, it is the most secure method of biometric identification. It is not only safe but also fast. The 2D infrared scanner not only examines the veins in the palms, but also the blood flow. This significantly reduces the risk of identity theft.

Another interesting application of artificial intelligence is speech analysis. Speech analysis makes it possible to automate the monitoring of the quality of work of employees. Therefore, every communication is analyzed automatically. After that, both the employee and the manager can understand what needs to be worked on. Every company has communication standards that form the basis of every such project.

Today, at a time when the number of Internet users worldwide has exceeded four billion, a new type of quality appears under the term "virtual economy" and is increasingly gaining ground. In it, purchases are made through shopping sites that use new ways of doing business and have their own marketing strategies and many other possibilities.

Among the companies that initially transferred their business to the Internet, hardware and software sellers and computer and telecommunication service providers gained an advantage. Each online store consists of two main parts: an electronic storefront and a sales system. The electronic showcase stores information about the products sold on the website, provides access to the store's

database, registers customers, works with the buyer's electronic "basket", processes orders, and stores marketing information. 'playdi', provides data to the trading system. The trading system delivers the product and prepares documents for its payment. The trading system is a complex of stores of different companies that rent their space on a Web server belonging to a separate company. The technology of the Internet store is as follows:

The buyer selects the desired product from the catalog of products and prices in the electronic showcase and fills out a form in which personal information is entered (name, surname, postal and e-mail address, preferred method of delivery and payment). If the payment is made via the Internet, special attention is paid to its information security.

The formalized product is submitted to the sales system of the online store, and the order is completed here. The trading system can be operated manually or automatically. A manual system works on the principle of regular mail, usually when the volume of the product is not large, without the possibility of purchasing and setting up an automated system.

In conclusion, it should be emphasized that today in the world, the task is to double the benefits of artificial intelligence in human life, to present a "robotized" open world to the future generation. Because now humanity rushes to its destinations in "flying taxis", travels around the world of animals, is interested in the secrets of the water world, which can definitely serve the development of man and society.

LITERATURE:

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