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Patent Search

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Abstract:

AUTOMATION, INTELLIGENT, AND SMART SYSTEMS USING AI-BASED MODELING: METHODS, APPLICATIONS, AND RESEARCH ISSUES Abstract: In the big data environn develop personalized information of college libraries based on big data from three aspects: the overall architecture of the system model, the functional model of the the design of system interface modules according to the design principles and requirements of the personalized information service system of the university library 5 system design. In terms of the functional design of the platform, the service platform is divided into four levels: accurate identification of user needs based on big dat personalized customized services based on artificial intelligence, academic research and discussion space based on integrated media, and fine-grained subject resources. aggregation based on knowledge. On this basis, a centralized model of individualized services of university libraries including internal and external personnel, inform resources, technology, services, processes, platforms, and environment has been constructed Arti?cial intelligence (AI) is one of the emerging trends and applications computing in libraries. It involves programming computers to do things, which if done by humans, would be said to require intelligence. The ultimate promise of arti? intelligence in libraries is to develop computer systems or machines that think, behave, and in fact rival human intelligence, and this clearly has major implications on librarianship. The application of arti?cial intelligence in the library has become pervasive. They include expert systems for reference services, book reading and shelf-r robots, virtual reality for immersive learning among others. Although the incorporation of arti?cial intelligence in libraries can be perceived to alienate librarians from it will probably help libraries do more rather than taking over the jobs of librarians. It will enhance their services delivery. Arti?cial intelligence will greatly improve librarians. operations and services and will upgrade and heighten the relevance of libraries in an ever-changing digital society Al is a technology at the forefront of the Fourth In-Revolution. It is capable of imparting human-like cognitive abilities to computers. This is what makes artificial intelligence a cutting-edge technology in the world of te Without Al-based modelling, it is difficult to construct automated, intelligent, and clever systems to meet the needs of the present. Analytical, functional, interactive, to visual AI are just a few examples of how the intelligence and skills of an application could be enhanced to enable it to address real-world challenges. However, develo decent AI model is challenging due to inconsistent data and the constant flux of real-world events. In this study, we investigate the concept of "AI-based Modelling" in including its ideas and the capabilities of prospective AI techniques. Using these ideas and skills, it will be much simpler to construct intelligent and smart systems in I disciplines, including business, banking, healthcare, agriculture, smart cities, and cyber security, among others. Additionally, we emphasise research topics that are es our investigation. This work's primary objective is to provide a comprehensive introduction to Al-based modelling for researchers, practitioners, and decision-makers of domains and disciplines.

Complete Specification

Description:DESCRIPTIONS:

Artificial intelligence is the creation of intelligent devices, primarily computers. Al is utilised in a variety of applications, including expert systems, natural language processing, speech recognition, and machine vision. The public's interest in artificial intelligence (AI) is growing, so businesses must demonstrate how their products from this expanding field. When people refer to "artificial intelligence," they frequently mean a subset of the broader field, such as "machine learning." Creating and machine learning algorithms requires specialised hardware and software. Although there is no unique computer language that describes AI perfectly, many of the languages employed by AI engineers, such as Python, R, Java, C++, and Julia, share certain characteristics. Artificial intelligence is significant because it has the poten transform our work and leisure lives. Customer service, lead generation, fraud detection, and quality assurance are just some of the corporate operations that have benefited from the automation of human labour. In several areas, artificial intelligence (AI) has already surpassed human intelligence. Typically, AI technologies can complete projects efficiently and with few errors. This is especially true for repetitive, detail-oriented tasks such as ensuring that critical fields on thousands of legal documents are filled out accurately. As a result of its ability to process vast amounts of data, artificial intelligence can reveal aspects of a company's operations that leaders would have overlooked. The number of individuals utilising generative AI tools is increasing rapidly, and these tools will be beneficial in numerous industries including education, advertising, and product development. Artificial intelligence (AI) systems typically function by ingesting a large quantity of labelled training data searching for correlations and patterns in that data, and then employing those correlations and patterns to predict future events. A system can learn to identify and describe objects in photog

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