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Application Of Artificial Intelligence

Artificial intelligence (AI) is one of the emerging trends in the recent world which makes man's work simpler and less time consuming. This AI which emerged can not only rule the world of information technology but can be implemented in food industries as well, where the AI can be used to detect the quality of food manufactured. The food sector has been using AI progressively for years for various purposes, including quality control, food safety, classification and parameter prediction, and sorting of food. Adaptive neural-fuzzy inference systems (ANFIS), fuzzy logic, machine learning, ANN, expert systems, and fuzzy logic are a few widely used approaches in the food industries. When AI is used in place of a labor force, the task becomes easier because it closely monitors each step without causing repetitive errors every time. Automated systems are capable of gathering hundreds of data points about just one food item in a matter of seconds and providing a quick evaluation of it. For instance, a system can swiftly move hundreds of different ingredients along a conveyor belt while gathering and processing data from each one; these systems can drastically cut waste and labor expenses. The application of AI in the food sector has been ongoing for decades, and many benefits are associated with it, have been growing up to the present moment.

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