

# APPLICATIONS OF AI IN AGRICULTURE AND INDUSTRY

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## **Abstract**

This article aims to present the current applications of Artificial Intelligence (AI) in agriculture and industry and the potential for further advancements. AI is a branch of computer science that deals with the development of intelligent machines or computer programs that can perform tasks that would typically require human intelligence, such as perception, reasoning, learning, and decision-making. Artificial Intelligence (AI) is a rapidly expanding field that has the potential to revolutionise various industries, including agriculture and manufacturing. AI is already used in agriculture to create smart farming practices that help farmers manage resources effectively, optimise crop yields, and reduce waste. Similarly, AI has various applications, such as predictive maintenance, supply chain management, quality control, and automation in the manufacturing industry. In the coming years, Artificial Intelligence has the potential to help address some of the biggest challenges in agriculture and industry, such as climate change, food security, and supply chain disruptions.

**Keywords:** precision agriculture, quality control, LiveStock Monitoring, predictive maintenance, artificial intelligence