Artificial intelligence (AI) is becoming an essential factor in ensuring the sustainability and long-term growth of the agricultural sector.In the near future, AI technologies are expected to provide innovative and precise solutions for major agricultural challenges, including pest management, weather forecasting, and automation.Intelligent machines and robots can support farmers by performing tasks such as harvesting, sorting, and detecting crop quality more efficiently than manual labor.To make AI more accessible, developing open source and cost-effective solutions is crucial, as it can encourage wider adoption andimprove understanding among farmers.This shift towards automation can significantly improve productivity while reducing time, water, and fertilizer usage.

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