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No child deserves to go to bed hungry when every community has enough food to nourish its people but, there is hunger in my country in addition to the high cost of living.

My mummy was telling me some days back while helping her in the kitchen,” this is the highest price tomatoes have ever been especially with the current increase in dollar.

If I was to invent something new, it would be a farming robot designed to revolutionize agriculture and address global hunger.

This robot would be designed with cutting-edge technology and would operate on farms, from planting seeds to harvesting crops in quick time, ensuring maximum efficiency and productivity.

With the Goal 2 of the **United Nations’ Sustainable Development Goals (SDGs)** aimed to end hunger, achieve food security, and promote sustainable agriculture by **2030,** my farming robot would have a planting mechanism which involves seed dispensers that would be adjustable for different seed types and sizes, ensuring optimal planting depth and spacing.

In traditional farming, there are usually obstacles in the soil which prevents proper output of whatever is planted. My farming robot will have sensory systems for accurate navigation and obstacle avoidance as well as soil sensors to measure moisture, pH levels, and nutrient content.

As it is well known the importance of fertilizer and pesticides in farming, I would automate systems to apply the right amount of nutrients and protection based on real-time data from soil sensors.

I remember when my mum invested in a cucumber business and the farmer discussed the types of irrigation system to be used to obtain a good yield.

Precision drip irrigation which conserves water while ensuring each plant receives adequate hydration would be used and a water recycling equipped with a filtration system would recycle and purify runoff water.

My farming robot will consider things like the weather and adjusting irrigation if the temperature increases. It would determine the right time to harvest the tomato based on its size and colour.

With the use of Artificial Intelligence and data, I can monitor the growth by checking growth patterns and it can predict harvest times.

It would be designed to handle delicate crops without damage.

The environmental and social impact of my farming robot includes:-

1. Sustainability by conserving water
2. Affordability: it would be designed to be cost-effective.
3. Food Security: which is the major aim, higher crop yields would give more reliable food production, reducing the need for manual labour.

My Artificial Intelligence farming robot will create sustainable farming practices to provide an efficient solution to hunger and starvation in the present economic times.