

# Achieving Greater Efficiency, Productivity, and Sustainability

Wanjiru Dennis Kizito Wachira

25/03/2024





# Introduction

Brief overview of the importance of  
agriculture.

Challenges facing agriculture, including  
climate change, resource scarcity, and  
population growth.

Potential of AI and ML to address  
these challenges





# Applications of AI and ML in Agriculture

Applications of AI and ML in  
Agriculture.

Disease detection .

Automated irrigation systems .

Autonomous robots for weeding and  
harvesting



# Benefits and Opportunities

Increased efficiency.  
Improved productivity.  
Enhanced sustainability .  
Capacity building and training





# Considerations and Challenges

Call to action: Embrace climate solutions, including AI  
and ML, to create a sustainable, equitable, and  
prosperous future

A top-down view of a clean, white desk. In the bottom left, a white smartphone is partially visible. Next to it is a silver laptop, showing its keyboard. To the right of the laptop is a grey, textured notebook with a black pen resting on it. In the top right corner, there is a white spiral-bound notebook with a pencil lying on it. A pair of white earbuds with a thin cord is also visible on the desk.

THANKS  
Thank You For Listening