



**YOUTH HACKATHON**



Zephania Reuben

Artificial Intelligence Practitioner

Email: [zreuben815@gmail.com](mailto:zreuben815@gmail.com)

Phone: +255 757 113 006



# DIGITAL INNOVATION

What is Digital Innovation?

Simply,  
application of **digital  
technology** to existing  
**business problems** or  
practices.



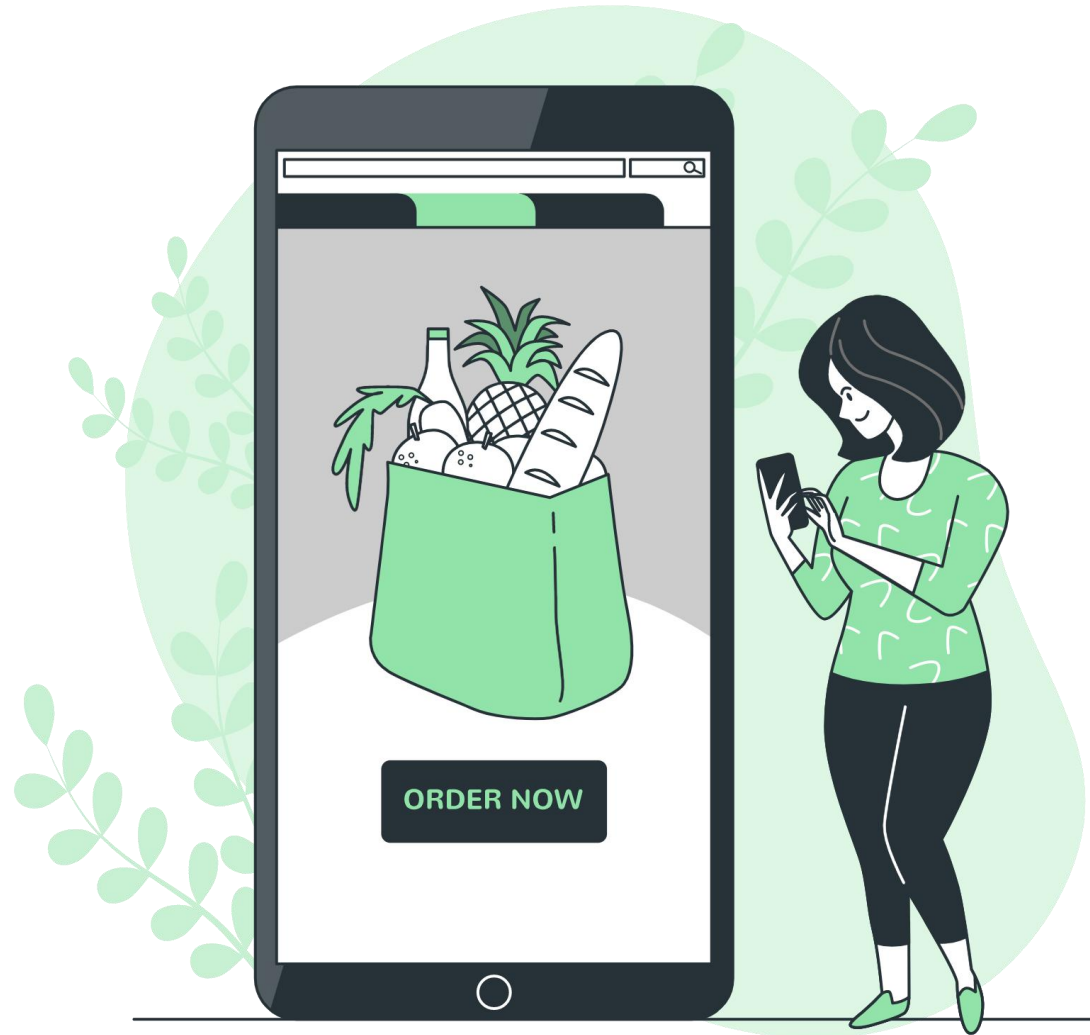


Digital innovation can  
improve **customer  
experience, enable new  
business models** and provide  
the opportunity to **launch  
new products.**

# Digital Innovation in Action







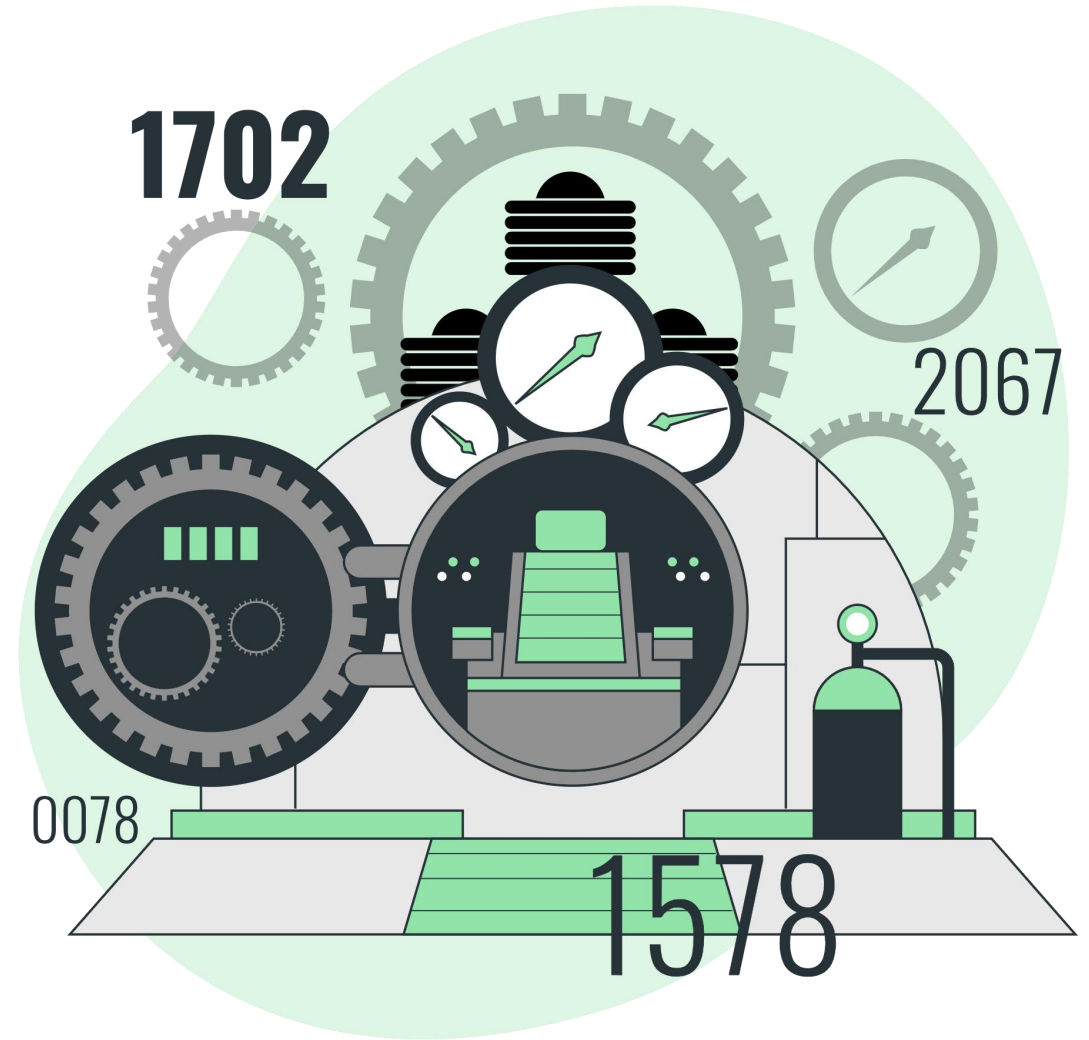
What Happened?

# Industrial **Revolutions**

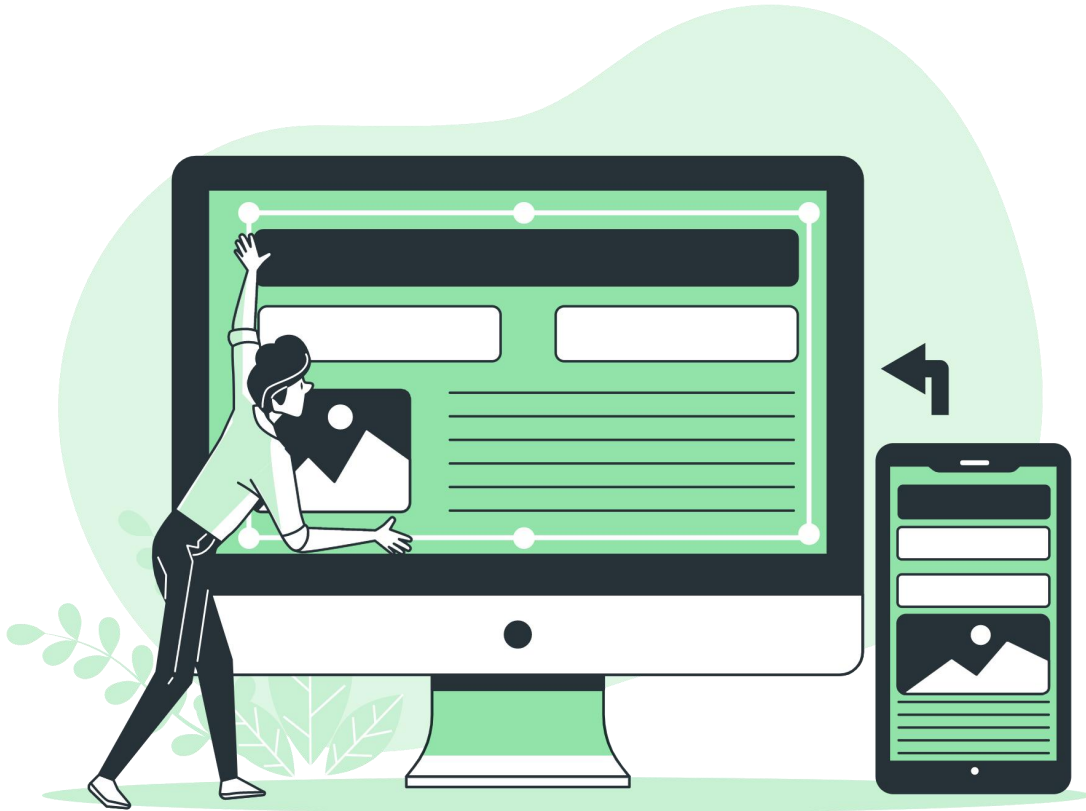
1<sup>st</sup> - {Water , Stream}

2<sup>nd</sup> - {Electricity}

3<sup>rd</sup> - {Electronic Devices, Internet}



# 3IR - Information Age



The Internet - {1G, 2G, 3G}

Web Technologies - {HTML, CSS, JS}

Mobile Technologies - {Android}

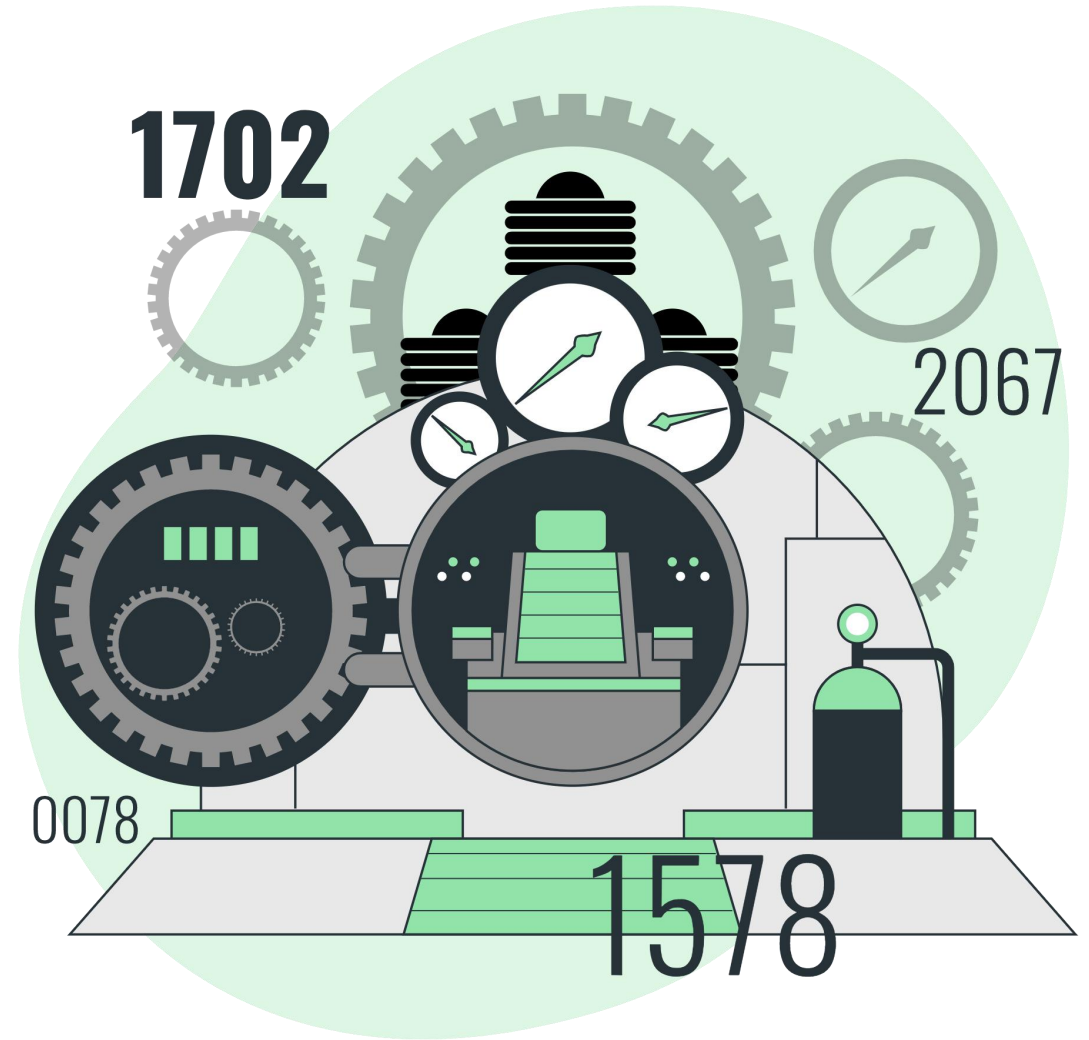
# Industrial **Revolutions**

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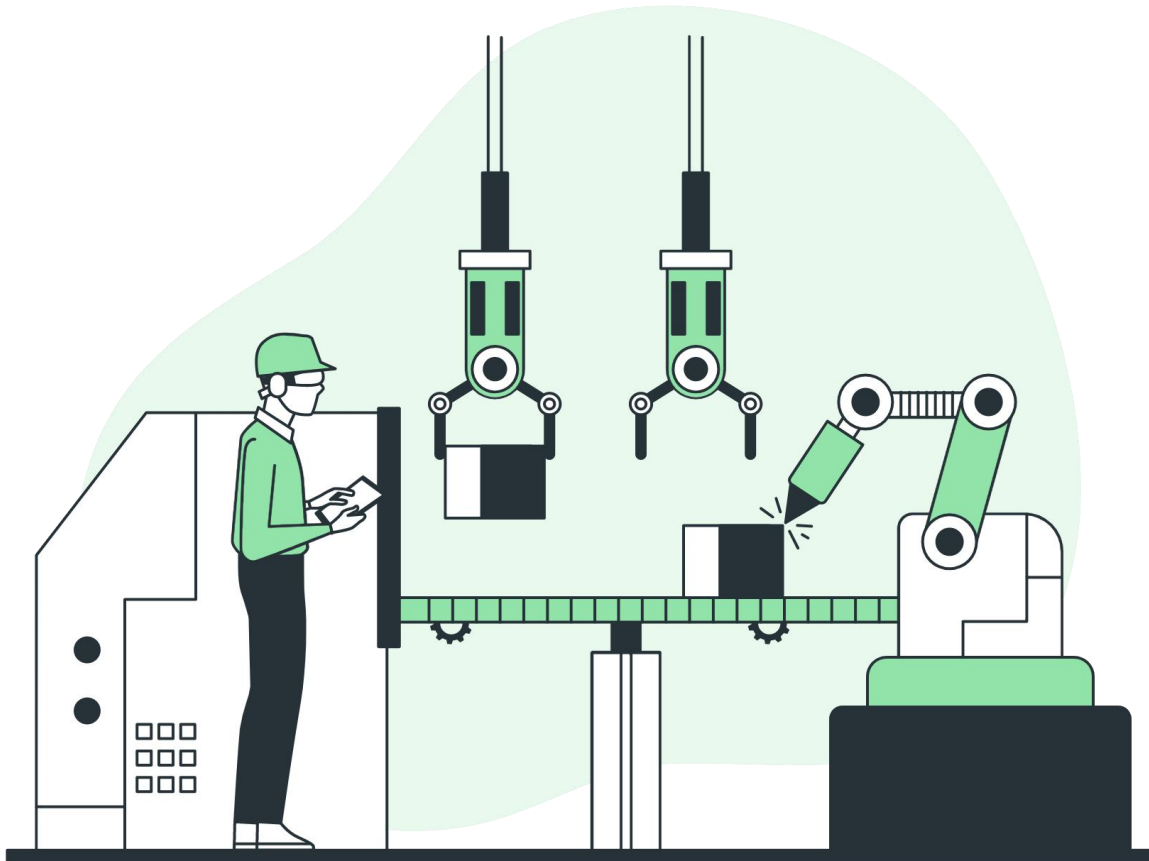
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4<sup>th</sup> - {?}



# Industry 4.0



Artificial Intelligence  
Blockchain  
Cloud Computing  
3D Printing  
Robotics  
Reality Technologies  
Advanced Networks  
Nanotechnology  
Biotechnology  
Quantum Computing

# Industry 4.0



Artificial Intelligence

Blockchain

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Quantum Computing



# Where can we find Artificial Intelligence?

Photo recognition(social media & security).

Friendship suggestions (Facebook, Instagram, Twitter, & LinkedIn).

Chatbots (customer servicing).

Environmental Monitoring (Weather forecasting)

Desease diagnosis for plants and animals (Cancer, Pneumonia).

Music suggestions & creation (Spotify, Apple Music, Google Music).

# Where can we find Artificial Intelligence?

Film & TV suggestions (Netflix, Amazon Prime, Hulu).

Speech recognition (voice to text/personal assistants).

Language translation (Google translator).

Classifying and eliminating fake news (social media).

Fraud detection and prevention (transactions).

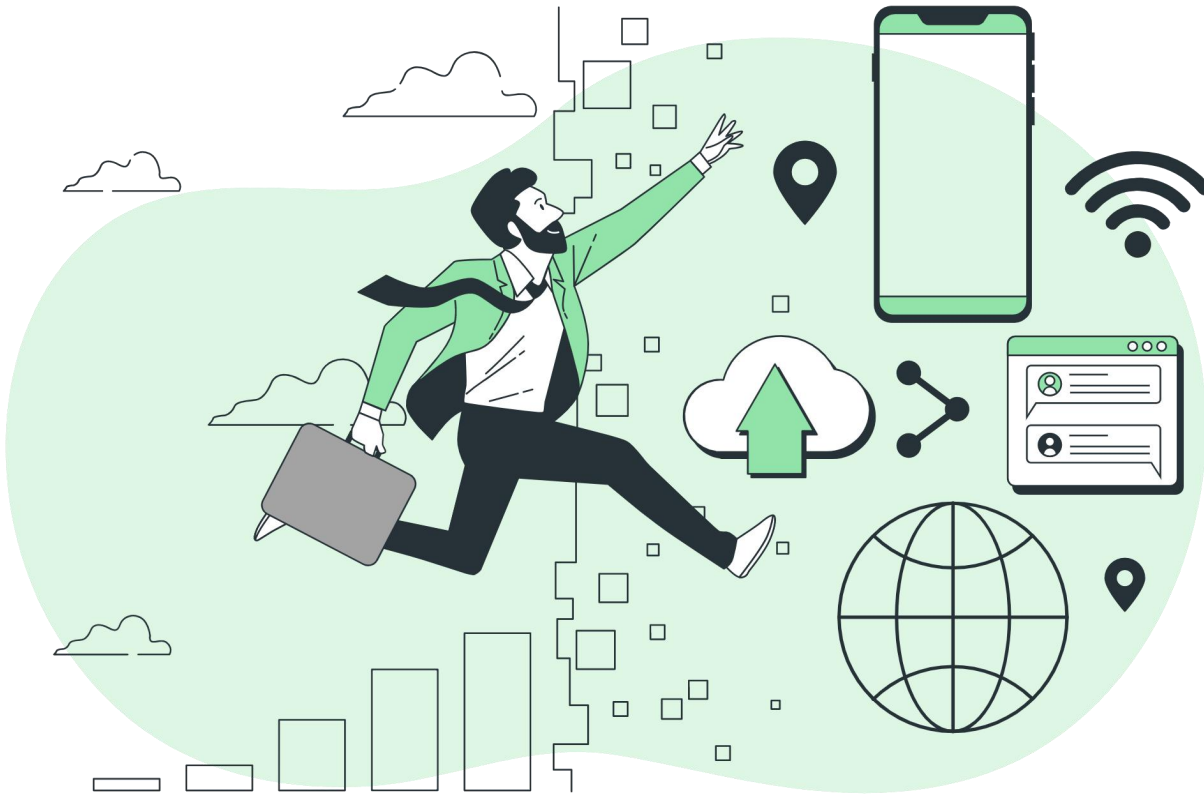
Search Recommendations (online shopping).

# Companies that **innovate** can benefit from:

A **competitive** advantage.

**Technology** solutions that **improve** ROI and boost **revenue**.

Improved **efficiencies** and **automation**.



**ARE YOU READY FOR THE  
HACKATHON?**

# Where to **start**?

Web Technologies.

Mobile Technologies.

Artificial Intelligence (teachable machine).

Robotics.

IoT.

**THANK YOU!**



**UJUZI**

Tanzania's Skills Forum