



#DiscussAI

AI IN MY LIFE

A World
Leading SFI
Research
Centre



AI and the Future of Work

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Ollscoil Technolaíochta na Mearban
Munster Technological University



Maynooth University
National University
of Ireland Maynooth



UNIVERSITY OF GALWAY
Ollscoil na Gaillimhe

What is AI in My Life?



AI IN MY LIFE

- Workshop series on Artificial Intelligence
- Developed by ADAPT research centre and partners
- Designed to help students navigate the 'Age of AI'

Our Partners:



What you'll learn today



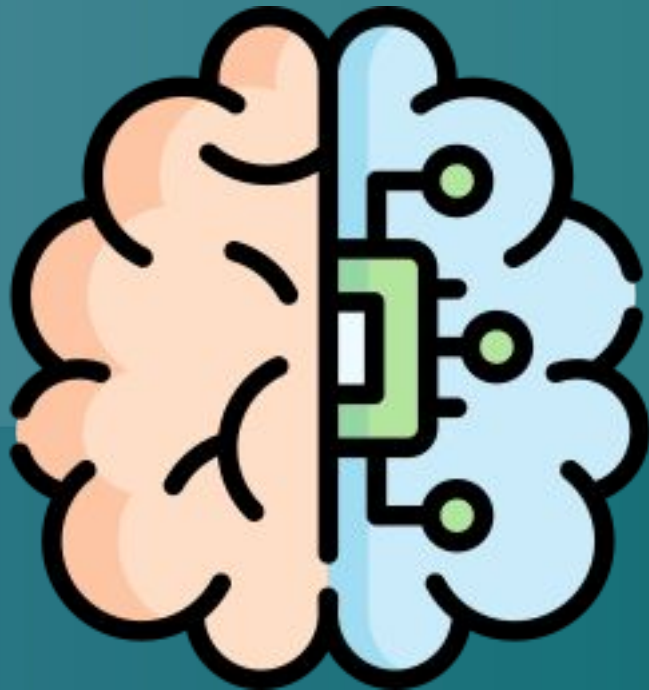
AI IN MY LIFE

- The role that AI plays in many industries
- The way that AI is transforming the world of work
- Why AI requires expertise of people from many fields
- The kinds of skills that are required for AI

Our Partners:



What is AI?



Artificial intelligence refers to **many different technologies** that are designed to **accomplish tasks** that can **otherwise be only carried out by human minds**, for example identifying patterns, recognising images, understanding languages or solving problems.

*<https://www.accenture.com/us-en/insights/artificial-intelligence-summary-index>

AI and the World of Work



*What kind of industries
have we seen impacted by AI?*

AI and the World of Work



Uses of AI in Agriculture

<https://www.youtube.com/watch?v=KpZMEU9w1b8>



Uses of AI in Sport

https://www.youtube.com/watch?v=tX0ou7oZ4Jg&list=PLdq6aTitdRWbtPed2R6_n9Qh0BqeB6_mD&index=5



Uses of AI in Healthcare

https://www.youtube.com/watch?v=CStXwaFNoXM&list=PLdq6aTitdRWbtPed2R6_n9Qh0BqeB6_mD&index=3

AI and the World of Work

AI will affect almost every sector of the economy and society

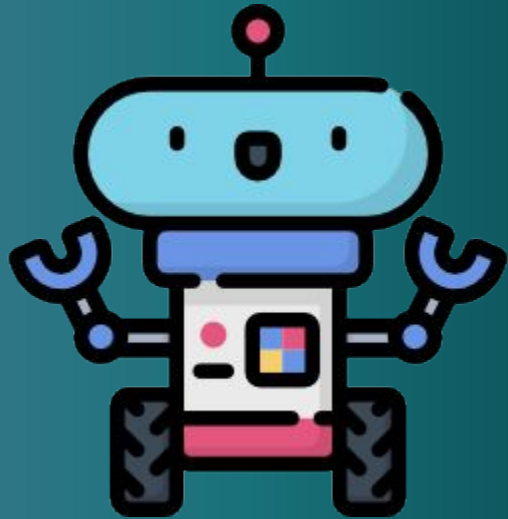
Almost everyone will need some knowledge of AI as it becomes embedded into our jobs and lives

Those who have the skills to work in this changing environment will benefit the most

[Source: AI Skills: A Preliminary Assessment of the Skills Needed for the Deployment, Management and Regulation of Artificial Intelligence. Expert Group on Future Skills Needs, May 2022](#)



Will a robot take my job?



Are you worried about the impact of AI on jobs in the future?

Will a robot take my job?

1 in 3 jobs in Ireland are at high risk of being disrupted by the adoption of digital technologies

BUT

Much of the disruption will result in **changes** to job roles and tasks performed by individuals rather than job losses

[Digital Transformation: Assessing the Impact of Digitalisation on Ireland's Workforce. Expert Group on Future Skills Needs, 2018](#)



Will a robot take my job?

B B C

NEWS

SAG strike: Actors join writers on Hollywood picket lines

15 July



Watch: How the Hollywood strike affects you in 75 seconds

<https://www.bbc.com/news/av-embeds/66205719/vpid/p0g10c2v>

Will a robot take my job?



[The Age of A.I. S1 E6](#) Will a robot take my job? | The Age of A.I.

Will a robot take my job?

Whether jobs will be transformed rather than replaced will depend mainly on **how well the strengths of AI and the strengths of the human complement each other:**

Some lower-skilled jobs might be lost, especially if they can be easily automated

In general, AI and humans are more likely to work well together in highly-skilled jobs, so these jobs will be transformed rather than lost

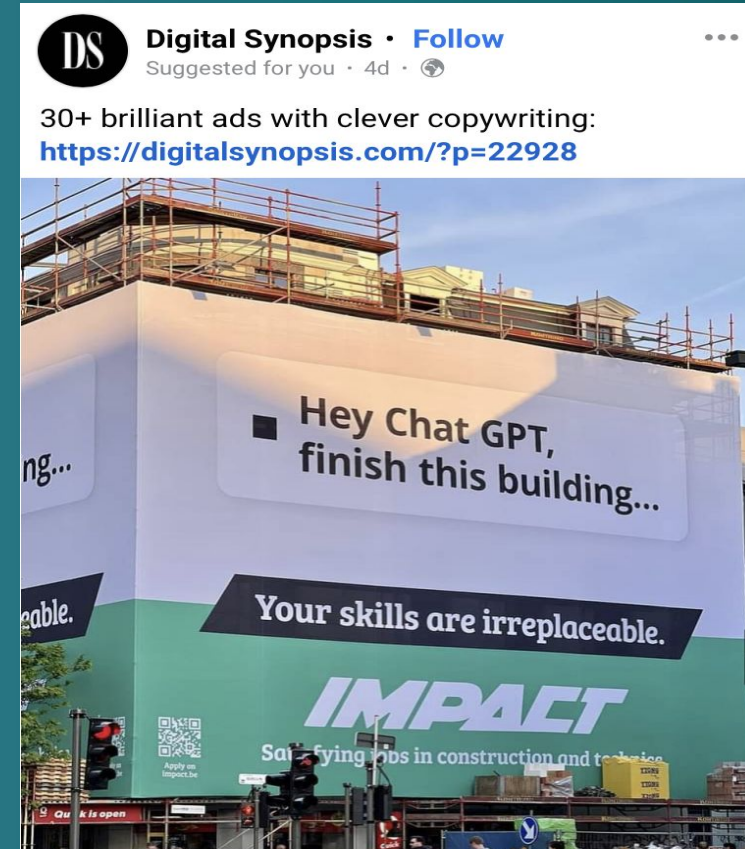
Digital Transformation: Assessing the Impact of Digitalisation
on Ireland's Workforce.
Expert Group on Future Skills Needs, 2018



Will a robot take my job?

*Think back to our introduction to AI.
Can you remember which kind of tasks AI
finds hardest to carry out?*

Jobs relying on these skills are least likely to
be replaced by AI.

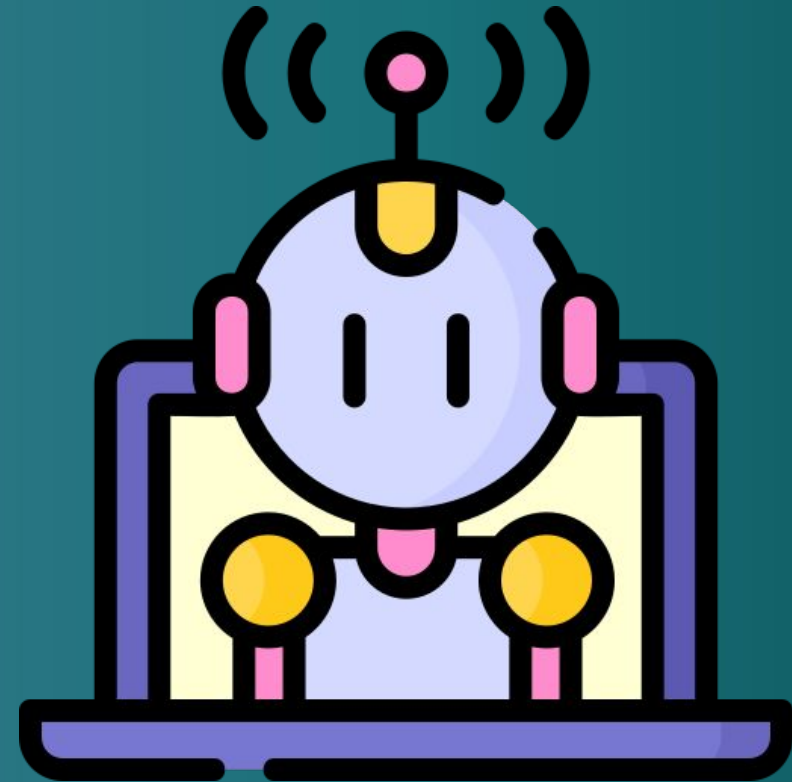


Will a robot take my job?

The main message is that AI skills are not just for AI experts. Everyone will need knowledge of AI and its implications.

- People developing AI will need specialist AI skills
- People working in organisations using AI will need knowledge of how AI works

AI Skills: A Preliminary Assessment of the Skills Needed for the Deployment, Management and Regulation of Artificial Intelligence, Expert Group on Future Skills Needs, May 2022



AI is truly multidisciplinary

“AI is perhaps the only technology field that not only provides opportunity for non-technical professionals, but actually requires their input.”

AI aims to imitate human thinking and decision-making.

This is a hugely complex task, so it requires people from all fields to apply their knowledge and expertise to AI.

Opening doors of opportunity:
AI as a vehicle for diversity and inclusion.
Deloitte AI Institute, 2021



<https://www.youtube.com/watch?v=ZZs4R-5u4g4>

AI is truly multidisciplinary



For example:

You've injured your leg in a football match and are brought to A&E. A nurse performs an initial assessment on your injury, then uses an AI tool that reviews your assessment information, consults all medical literature, and produces a recommendation to a doctor on your likely injury and best course of treatment.

What kind of specialists will be required in this scenario?

Adapted from: Opening doors of opportunity:
AI as a vehicle for diversity and inclusion.
Deloitte AI Institute, 2021

AI is truly multidisciplinary

Consider:

Who would make the algorithms and programmes for the AI tool?

Who would make the machines?

What about how it looks or feels?

Who else needs to provide input?

- Medical professionals
- Hospital administrators
- Experts in patient advocacy and information privacy
- ...anyone else?

AI is truly multidisciplinary



Why is this multidisciplinary good?

- Drawing so many people into the effort **creates opportunities** and **promotes diversity and inclusion** in an emerging professional field
- There's a role to suit everyone!

How can I future proof myself?



“In the future, you’ll be paid based on how well you work with robots.”

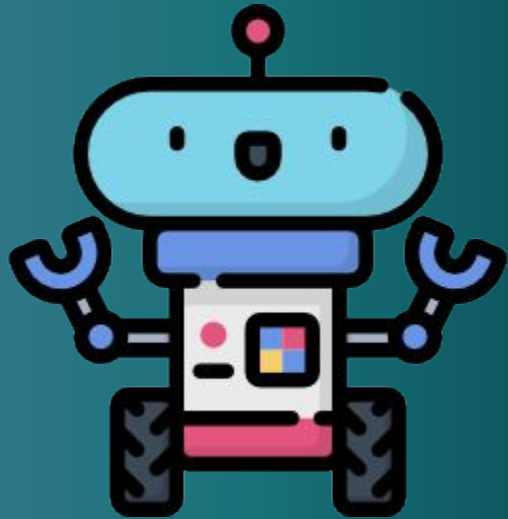
Kevin Kelly, Futurologist

How can I future proof myself?



- Learn about AI!
- Complete the Careers in AI module
- Be ready to adapt to future change

Will a robot take my job?



Are you worried about the impact of AI on jobs in the future?

What have we learned?

AI is transforming many industries
and jobs already

AI is a multidisciplinary field

Everyone needs AI knowledge



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Want to find out more about AI?

Check out more AI in My Life modules at:

www.adaptcentre.ie/projects/ai-in-my-life/

Thanks to our partners:





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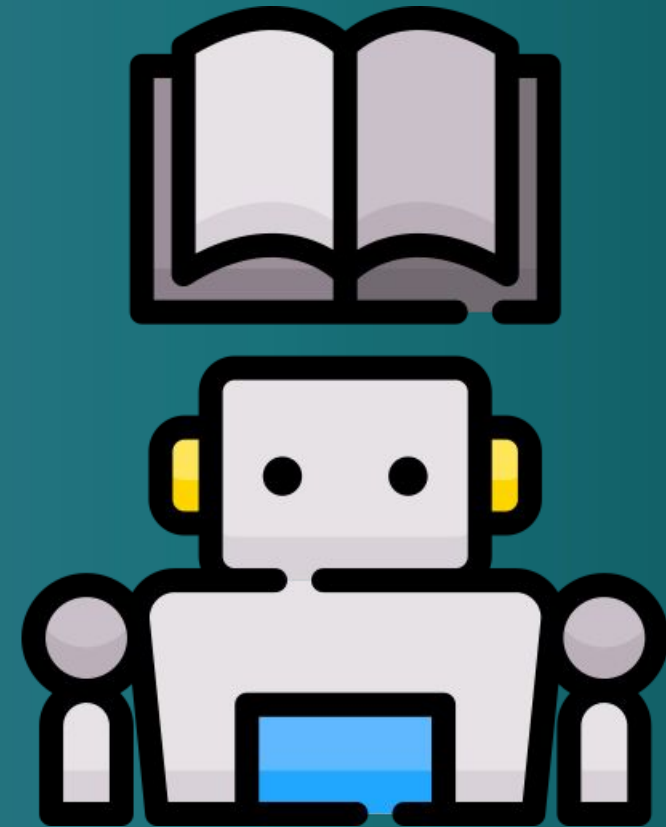
Slides from Introduction to AI

Thanks to our partners:



AI Capabilities

Which aspects of “intelligence” do you think machines find hardest to achieve?



Human Capabilities

What are humans good at?

Being self-aware

Being passionate

Showing compassion

Understanding
emotion

Appreciating context

Learning from
experience

