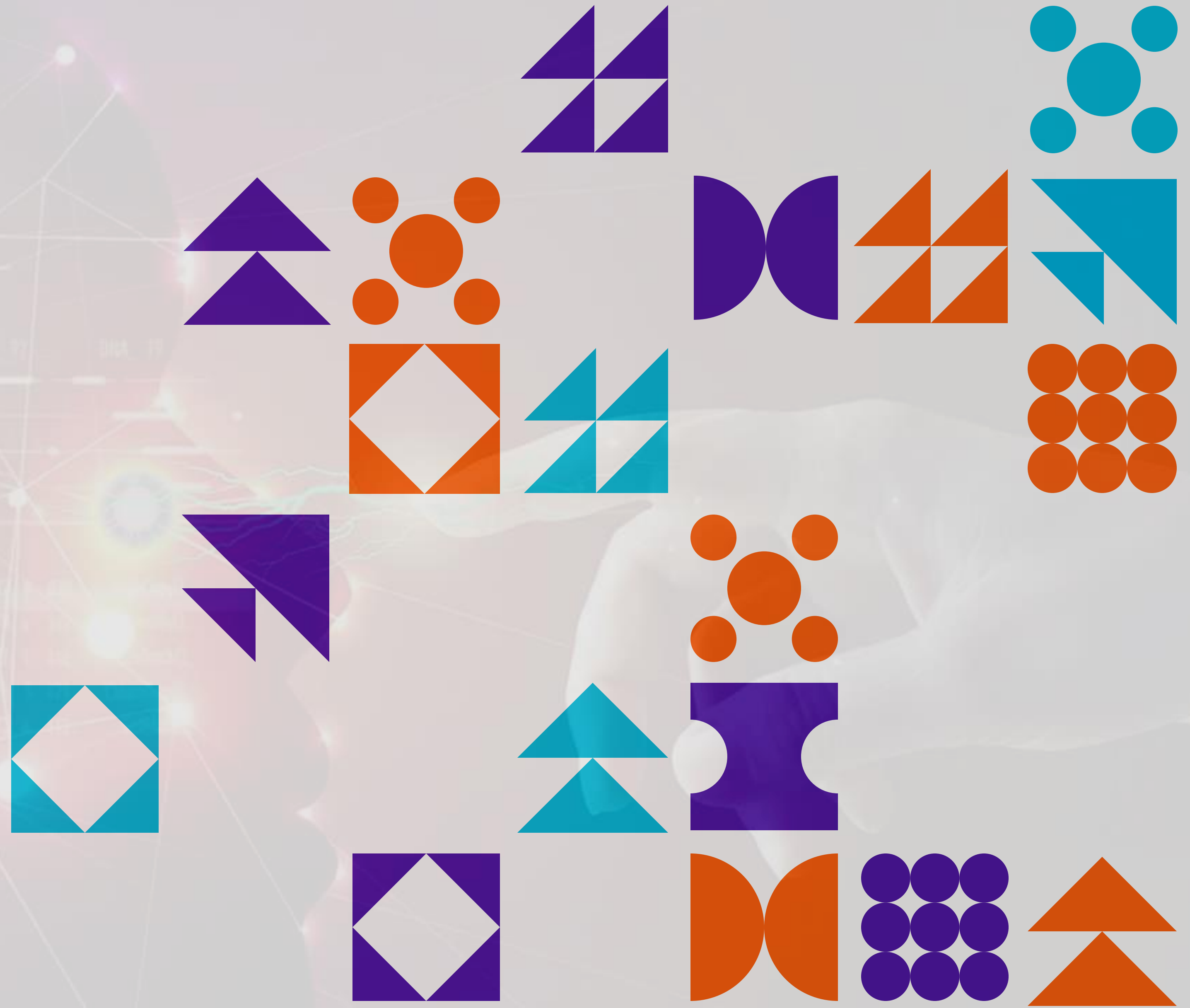


AI REVOLUTION ENHANCING HUMANS, PROJECTS AND BUSINESSES

PM PERSPECTIVES
PMI ROMANIA CHAPTER
CONFERENCE 2023

Ivan Moreira
October 6th

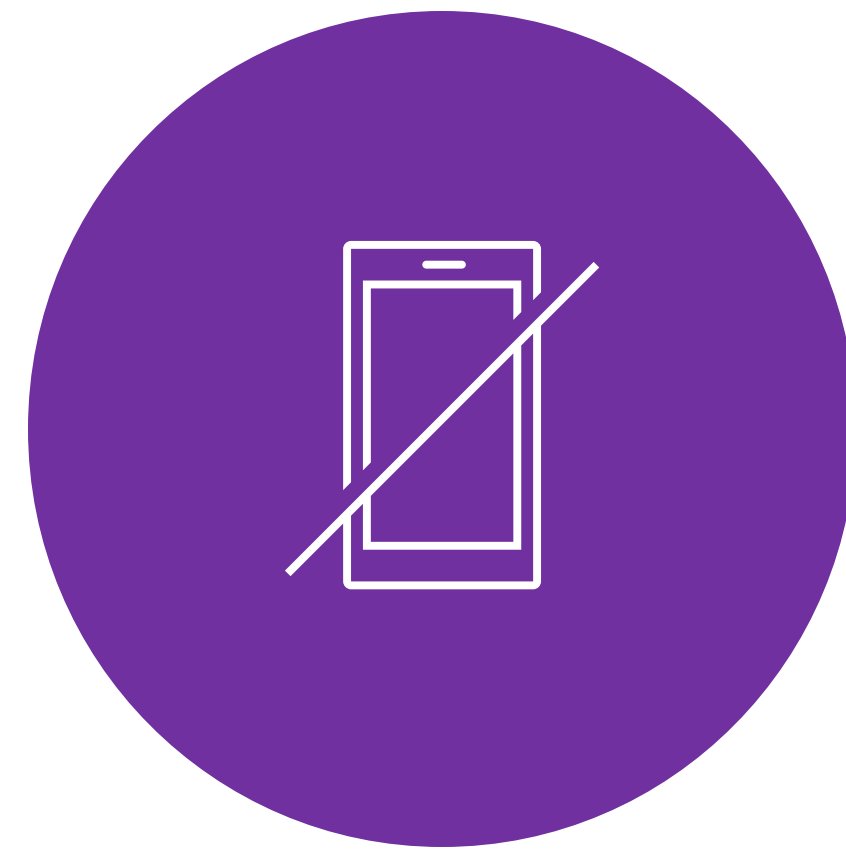
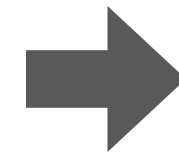


BEFORE STARTING



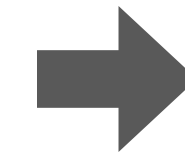
DURATION

Estimated time 15 minutes



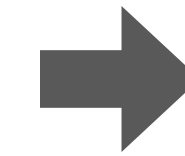
MOBILE

Please silent your phone



NOTES

Take your notes



Q&A

5 minutes

ATTENDING THIS PRESENTATION, YOU...



WILL NOT
BECOME AN AI
GURU



WILL NOT BE
SMARTER



WILL NOT
UNDERSTAND AI



WILL NOT BE A
BETTER PROJECT
MANAGER



WILL NOT BE
TRILLIONAIRE



STILL WANT TO
CONTINUE?

AGENDA

01

INTRODUCTION

02

KEY CONCEPTS

03

USE CASES

04

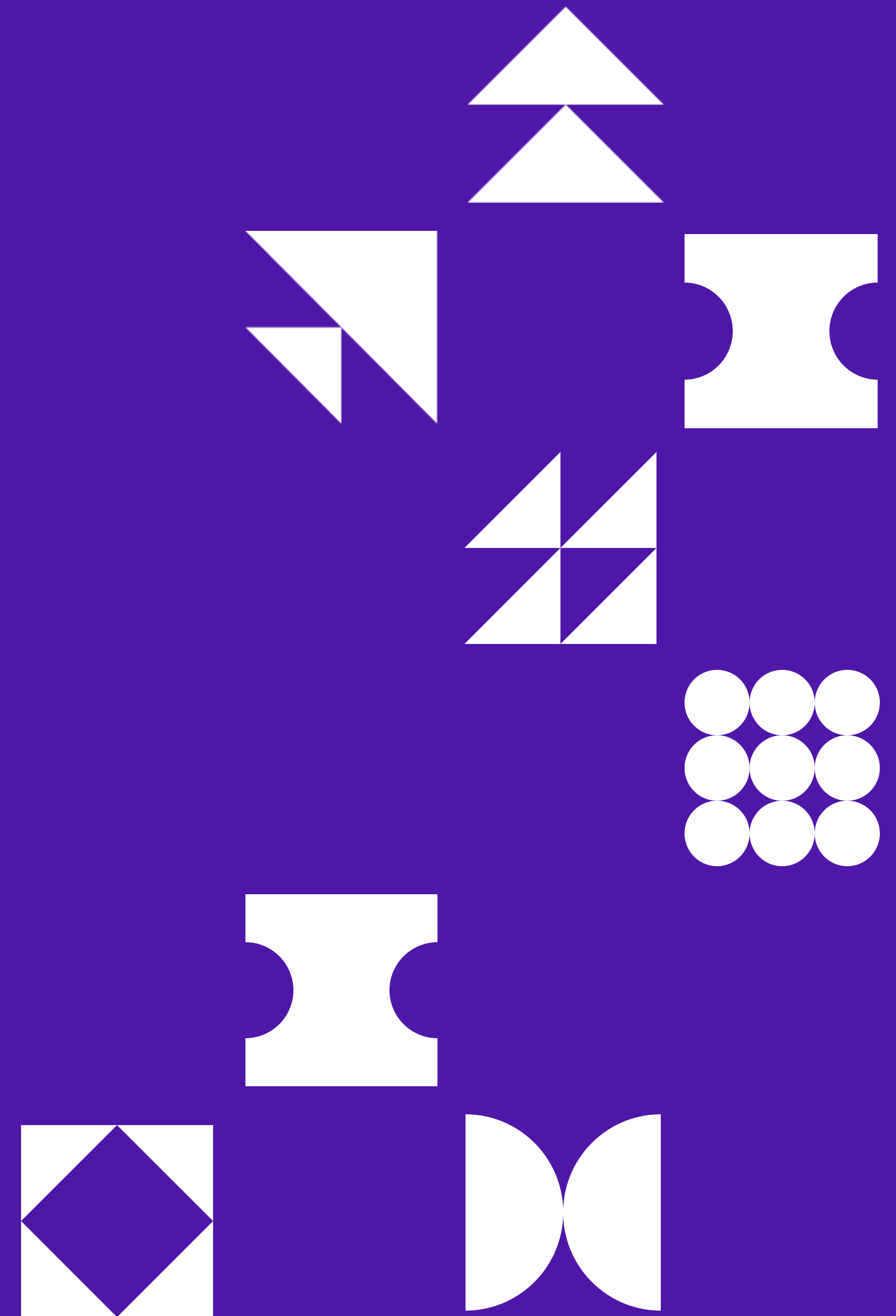
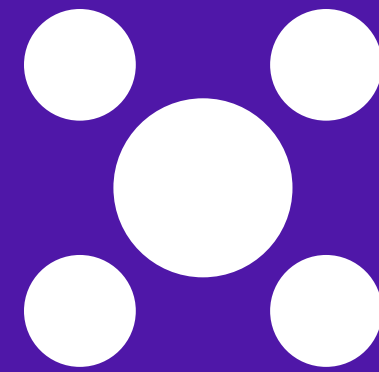
AI TOOLS

05

CONCLUSION

06

Q&A

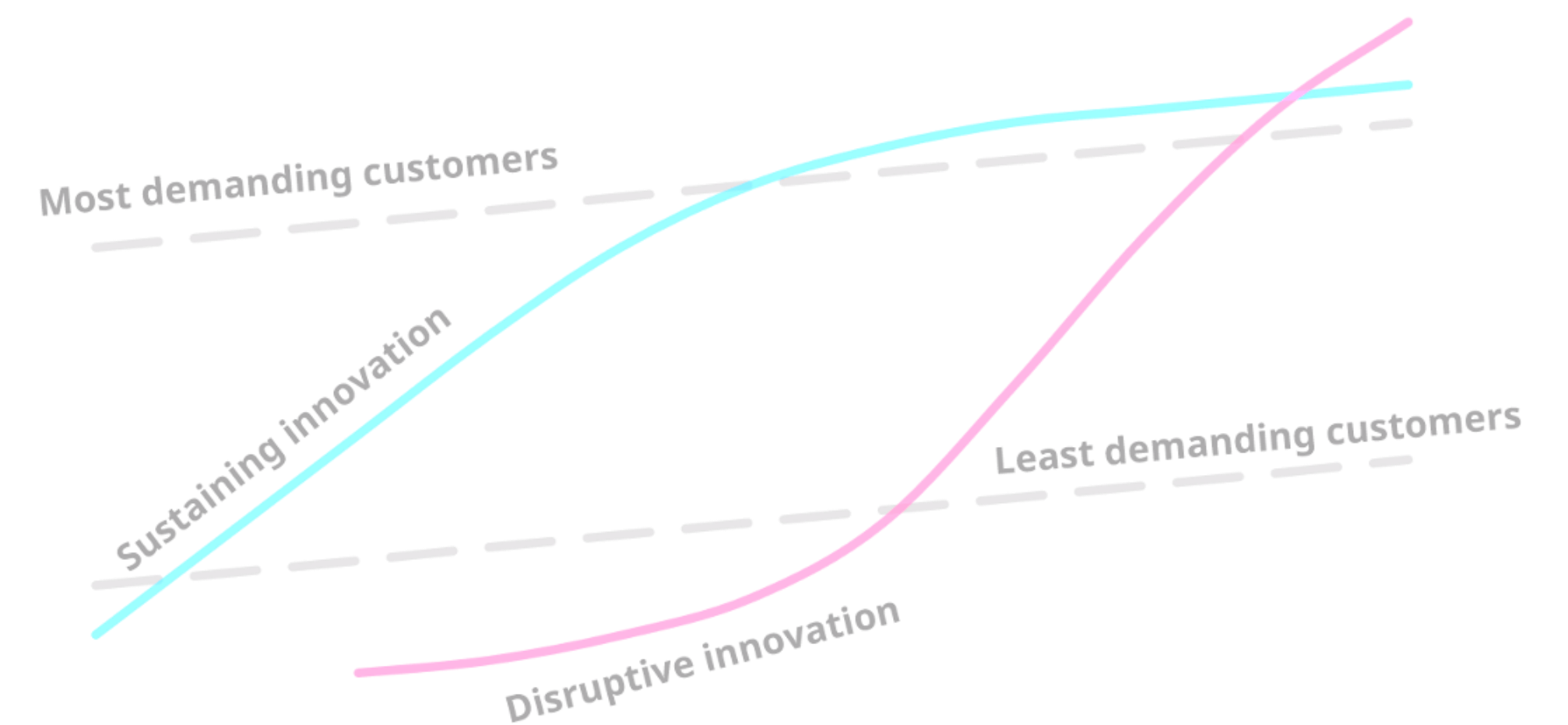


DISRUPTIVE TECHNOLOGIES

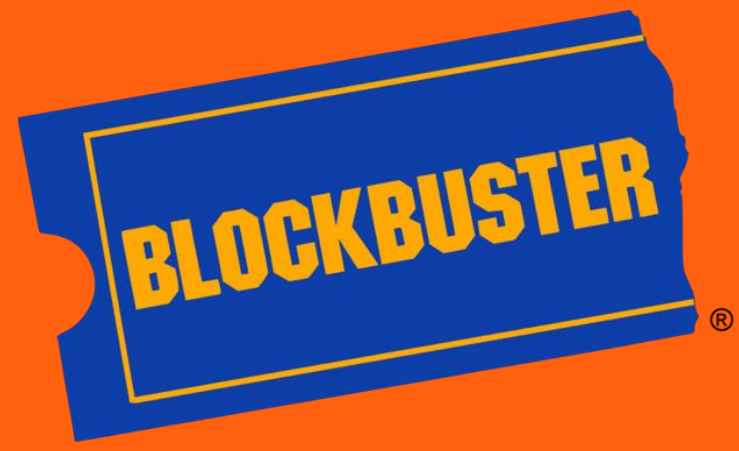


A disruptive technology is one that displaces an established technology and shakes up the industry or a ground-breaking product that **creates a completely new industry**.

– Prof. Clayton M. Christensen, Harvard Business Review



SUSTAINING INNOVATION



NETFLIX



Uber








DISRUPTIVE INNOVATION

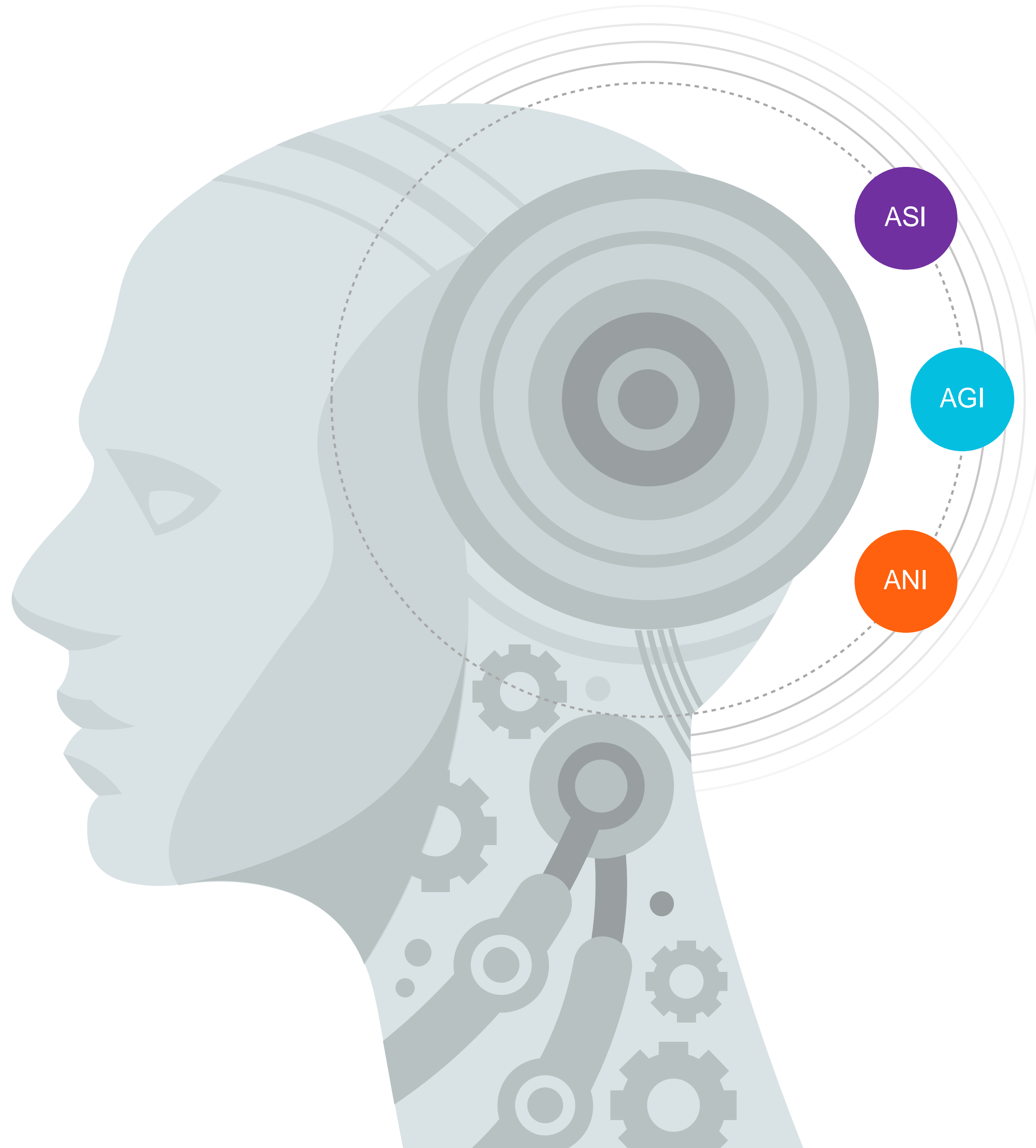


**WE BUILT A BEAUTIFUL LEGACY
SO FAR....**

Video 2:
<https://www.youtube.com/watch?v=vAC4fpjyJV8&t>

TECHNOLOGY **FIRST BILLION**

	 Mobile Phones	 Internet	 Email	 Social Media	 Chatbots
Years to reach	14	4	15	9	1
Break Through	1983-1997	1991-1995	1985-2000	2002-2011	2010-2011
Key Players	Nokia Motorola	Netscape Internet Explorer Google	Hotmail Gmail Yahoo	Facebook Instagram Whatsapp Tiktok	Siri Alexa Hubspot ChatGPT
Disruptor	Apple iPhone 2007 9 years	Google Google Search 1998 8 years	Hotmail Webmail 1996 12 years	Facebook Social Network 2004 8 years	Open AI Chat GPT 2023 2 months



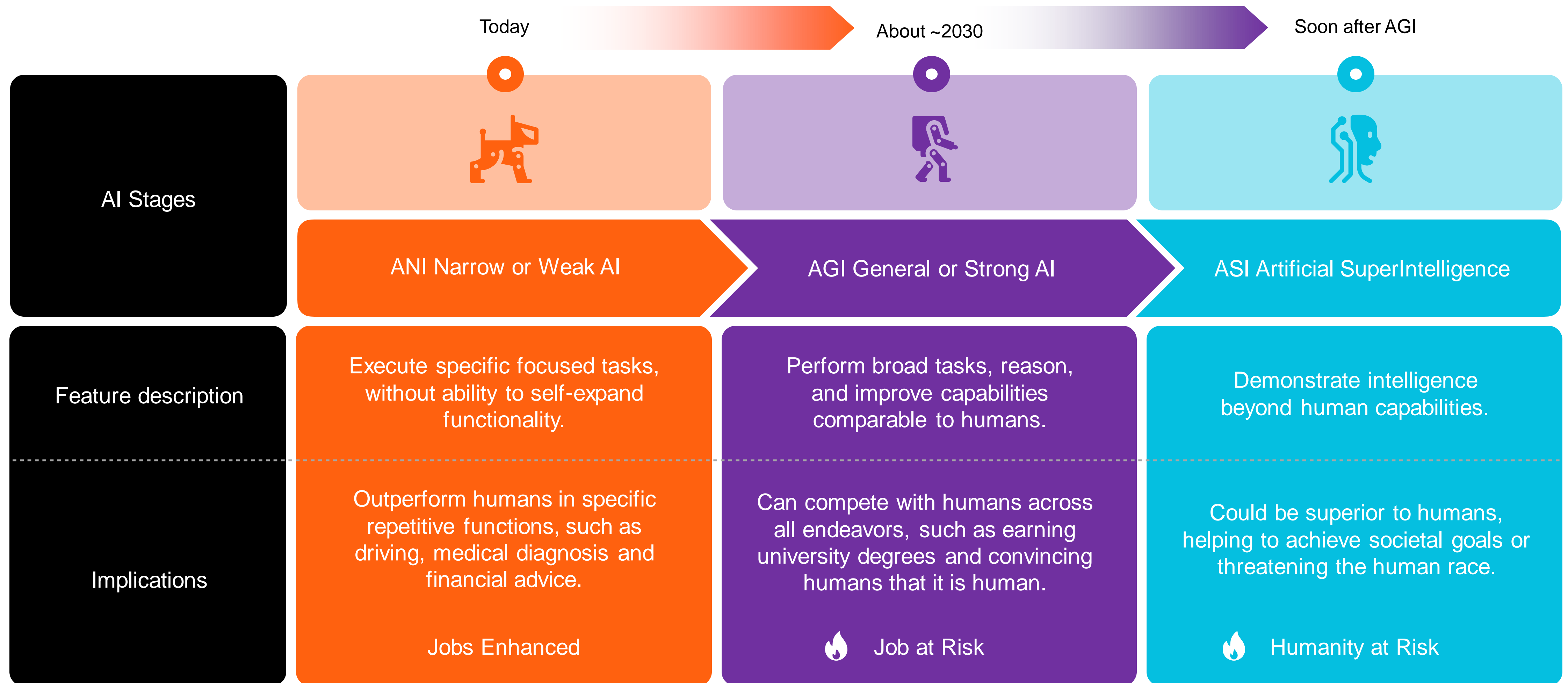
Artificial Intelligence (AI)

Artificial intelligence (AI) is a rapidly evolving field that is reshaping how we live and work. As a project manager, you should have a fundamental understanding of artificial intelligence and its potential applications.

At a high level, AI is concerned with the creation of computer systems capable of doing activities that would ordinarily require human intellect, such as comprehending natural language, identifying patterns in data, and making decisions based on incomplete or ambiguous information.

AI systems can be divided into three broad categories: Artificial Narrow Intelligence, Artificial General Intelligence, and Artificial Superintelligence.

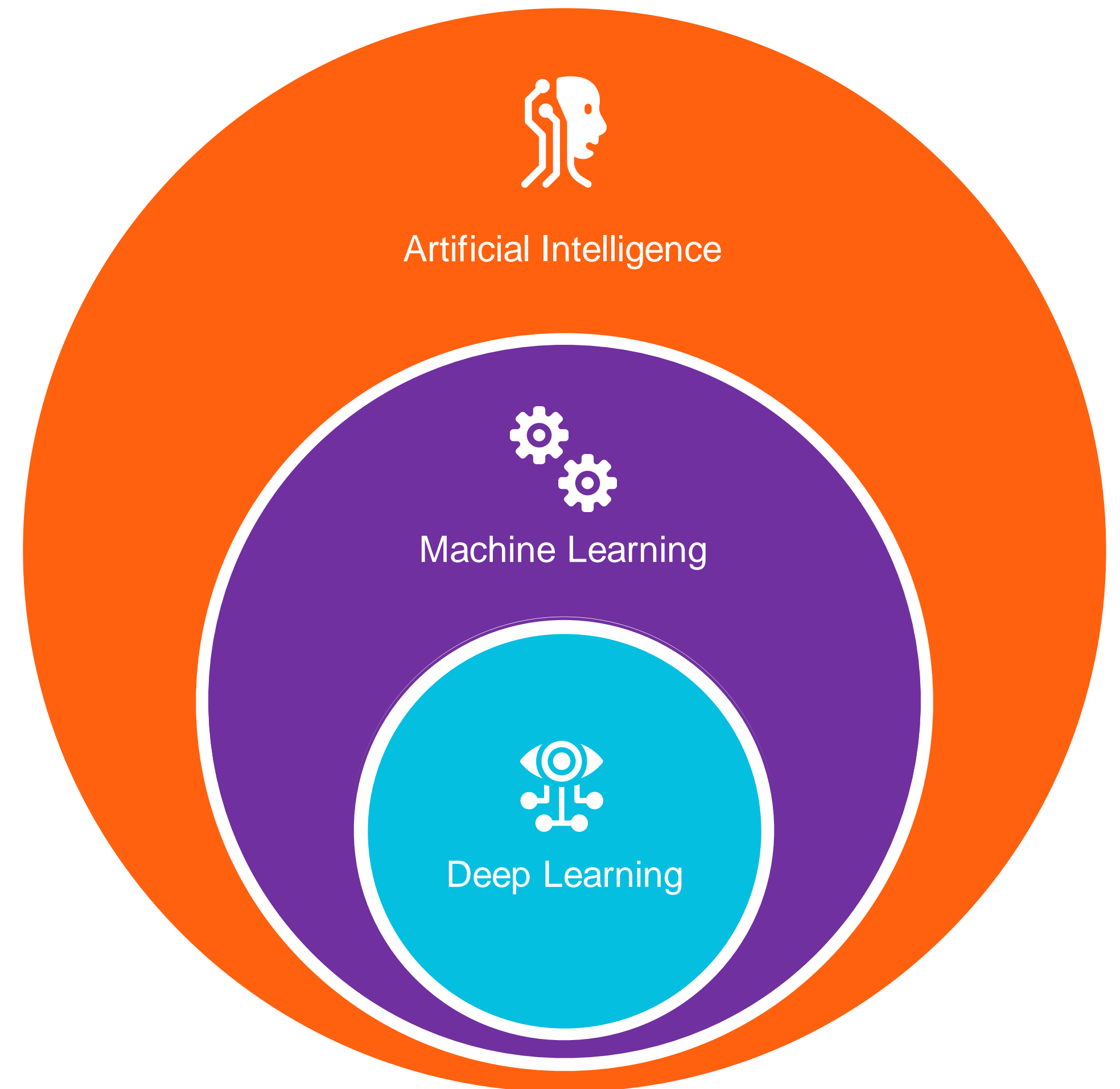
ARTIFICIAL INTELLIGENCE STAGES



Artificial Intelligence vs Machine Learning vs Deep Learning

Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL) are interrelated fields within computer science that often get discussed together. Let's explore their relationships and differences.

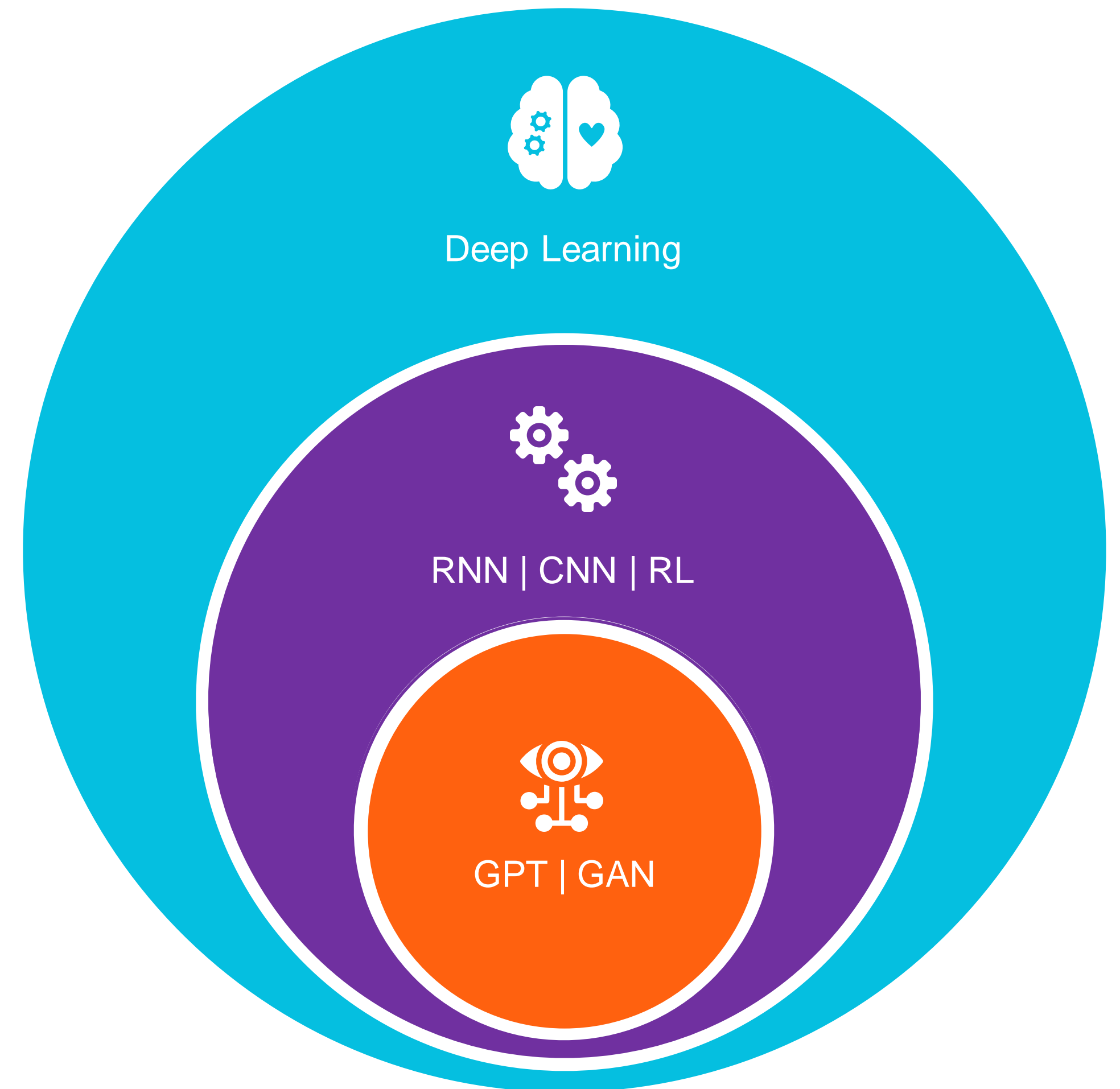
- **Artificial Intelligence (AI):**
AI is the replication of human intelligence in machines designed to think and act like humans. AI can refer to a variety of technologies, including machine learning, natural language processing, computer vision, and robots.
- **Machine Learning (ML):**
Machine learning is a subset of artificial intelligence that allows computers to learn from data without being explicitly programmed. Machine learning algorithms evaluate data and produce predictions or judgments using statistical models.
- **Deep Learning (DL):**
Deep learning is a subfield of machine learning that processes and analyses massive volumes of complex data using artificial neural networks with several layers. Deep learning algorithms are particularly well-suited to jobs like picture and speech recognition, where they can detect patterns and features in enormous volumes of data.



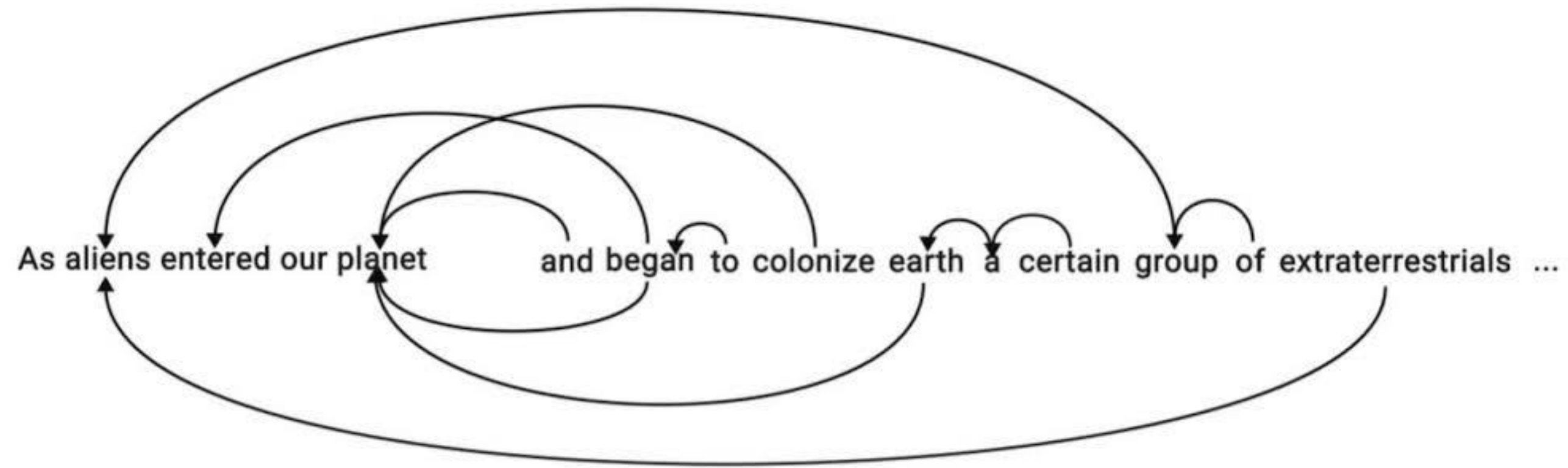
GENERATIVE AI

Generative AI uses deep learning models, like neural networks, to learn a dataset's structure and patterns. Adjusting internal parameters to reduce the discrepancy between generated outputs and actual data trains these models.

- **Convolutional Neural Networks (CNNs):** are widely utilized for image and video processing and are a cornerstone of computer vision research and applications. They detect objects, classify images, and recognize faces.
- **Recurrent Neural Networks (RNNs):** are commonly utilized for sequential data processing applications including natural language processing and speech recognition. Language modelling, machine translation, and speech synthesis employ them.
- **Reinforcement Learning (RL):** is widely used in robotics and autonomous systems. Games, robotics, and self-driving cars use it.



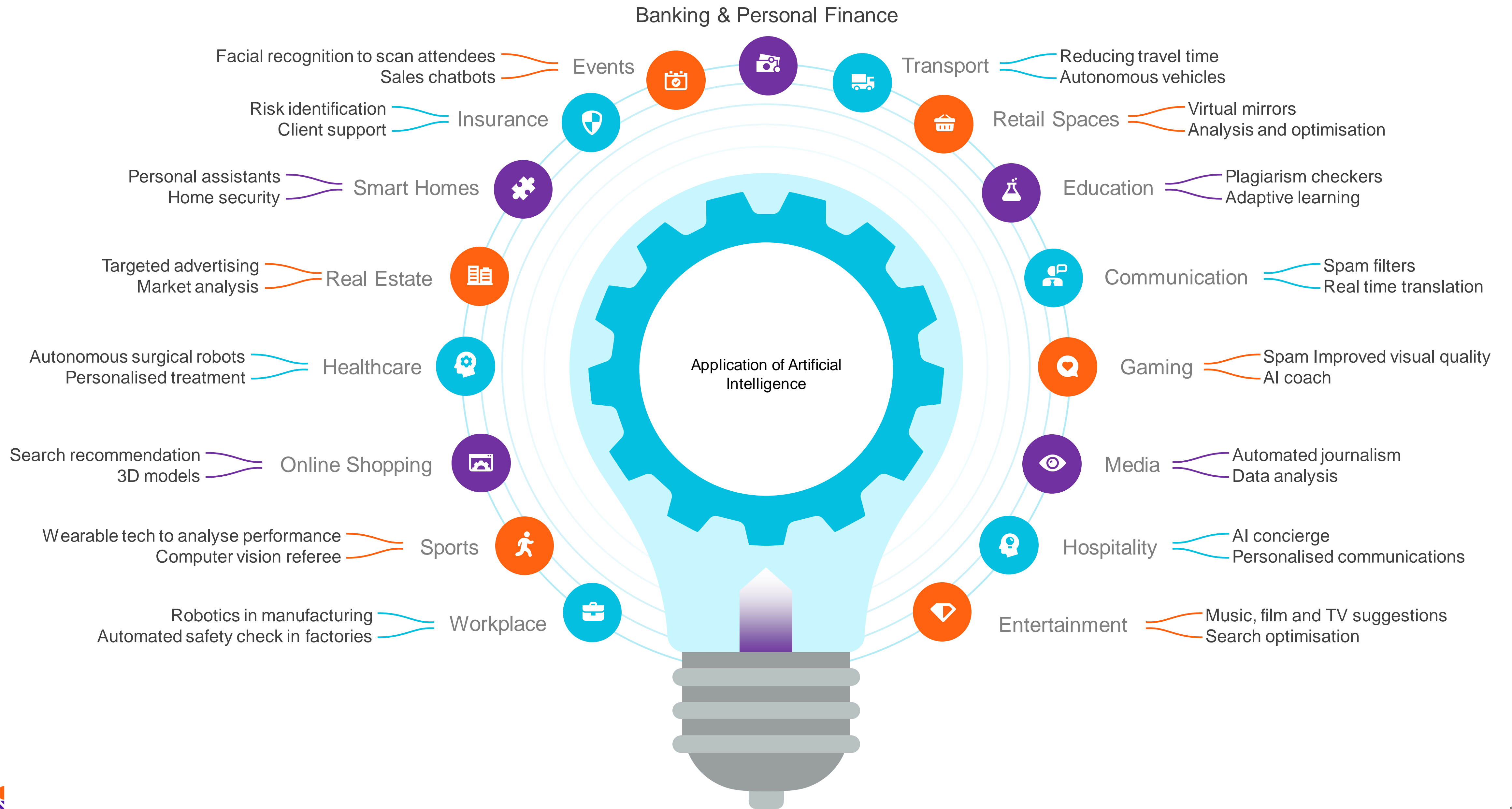
ATTENTION IS ALL YOU NEED



How GPT works?

GPT Large Language Models use the Transformer architecture, which has an attention mechanism and a multi-layer, multi-head design. After unsupervised, large-scale pre-training, they are fine-tuned for specific tasks.

This models are used for text generation, translation, summarization, question-answering systems, text completion, sentiment analysis, and classification.



OPEN AI USE CASES

Morgan Stanley

Morgan Stanley

Knowledge Base
organizer



Duolingo

Developing deeper
conversations

stripe

Stripe

Running a system for
fraud prevention



Khan Academy

Running a Knowledge
Base pilot

Waymark®

Waymark

Designing a video
creator



Read me!



COMPUTER VISION



Read me



Shell uses computer vision to see safety.

Shell has begun to use computer vision to automate safety checks at its service stations. For example, if a customer comes into a station, begins filling up their car with gas, and then lights a cigarette to smoke, cameras and **machine-vision systems can detect the dangerous behaviour** and warn the station manager. The management can block the pump until the customer extinguishes the cigarette.

KNOWLEDGE MINING



THE
MET

Metropolitan Museum of Art
implement Knowledge mining

AI Cognitive Services allow the Met to **autonomously assess and classify its art collection**. The Met is testing ways to categorize, tag, and learn about its collection at scale. This knowledge mining **can reveal new linkages among the collection's artworks** and augment each piece's information using publicly available information.

AI IN HUMAN RESOURCES

AI systems can be used to assess job candidates based on their **behavior during interviews**.

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Our Tech ▾

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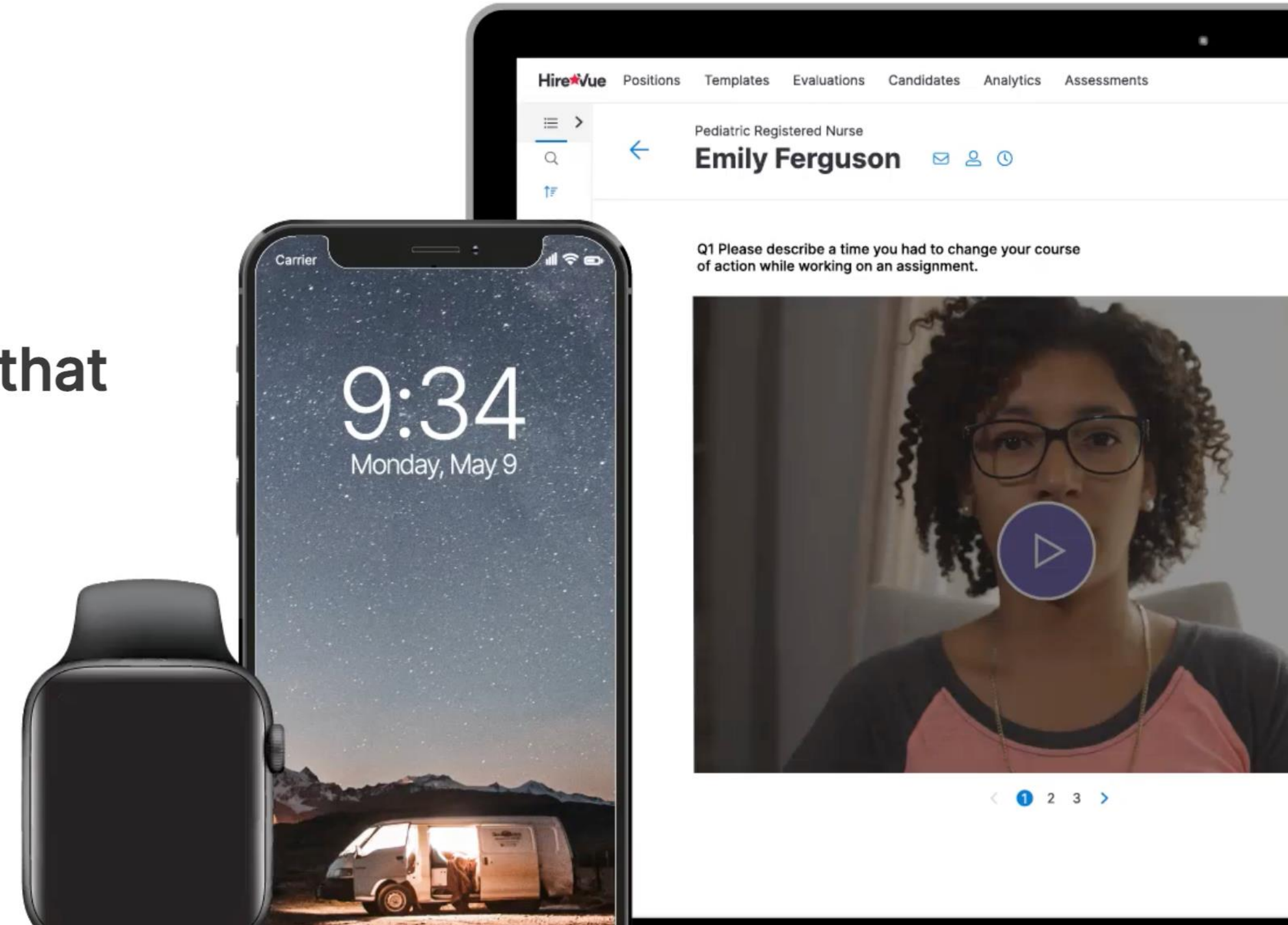
Log In

Request Demo

HIRING PLATFORM

Fast. Fair. Flexible.
Finally, hiring technology that works how you want it to.

HireVue is a talent experience platform designed to automate workflows and make scaling hiring easy. Improve how you engage, screen and hire talent with text recruiting, assessments, and video interviewing software.





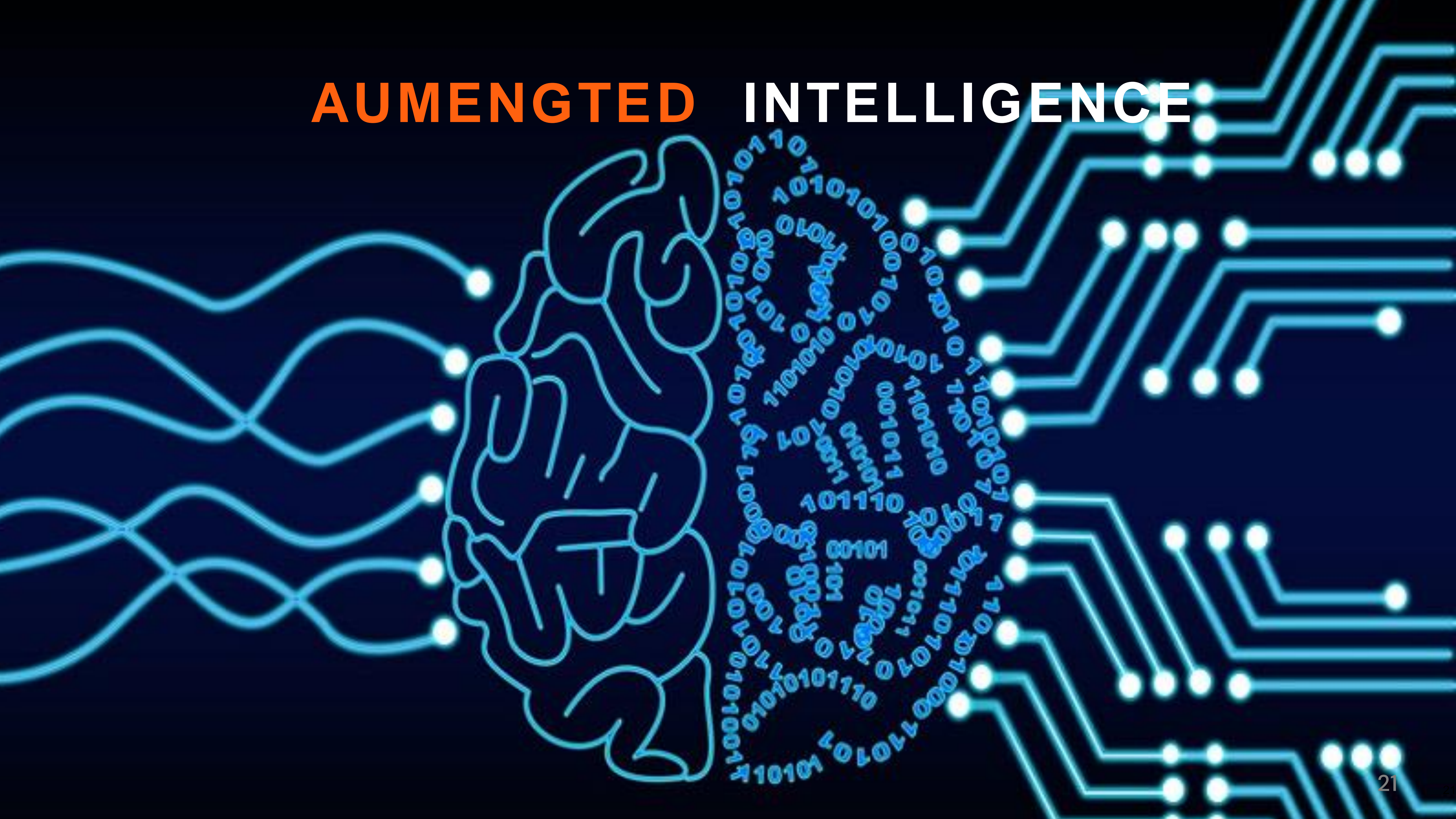
Read me!



AI IN THE WORKPLACE

Image recognition can be used to **monitor construction buildings** and alert for potential problems.

AUMENGTED INTELLIGENCE



AI IN PROJECT MANAGEMENT



35% OF PROJECTS FULLY MEET EXPECTATIONS



INTRODUCING AI IN PM IMPROVES PROJECT OUTCOME BY UP TO 60%



80% OF ALL PM PROCESSES WILL BE DONE BY AI

BY 2030

👍 BETTER ANALYZES, SORTS, AND PRIORITIZES TASKS

👍 CONTINUOUSLY MONITORS NECESSARY METRICS AND TASK PROGRESS

👍 PROVIDES NECESSARY SUPPORT AT ANY TIME, SUCH AS STAKEHOLDER ANALYSIS

👍 OFFERS INNOVATIVE METHODS OF PRODUCT TESTING

AI TOOLS HELPING PROJECT MANAGERS

 **timehero**

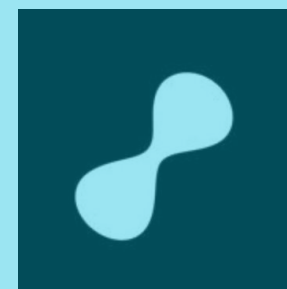
Time Hero
AI based remote team
management



Otter
Meeting and
Presentation
transcription

 **tome**

Tome App
AI based tool for
presentation
creation



Magical AI
AI Agenda, Time
suggestion and
notetaker



Telechat
AI Bot to share
information about
anything



AI TOOLS HELPING PROJECT MANAGERS



Notion

Manage any type of project, no matter the team or size.



Yoodli

AI Speech evaluation tool that helps speak better



Sharly

Summarise and ask question for documents



Copilot

AI agent to support Office 365 suite



Testifi

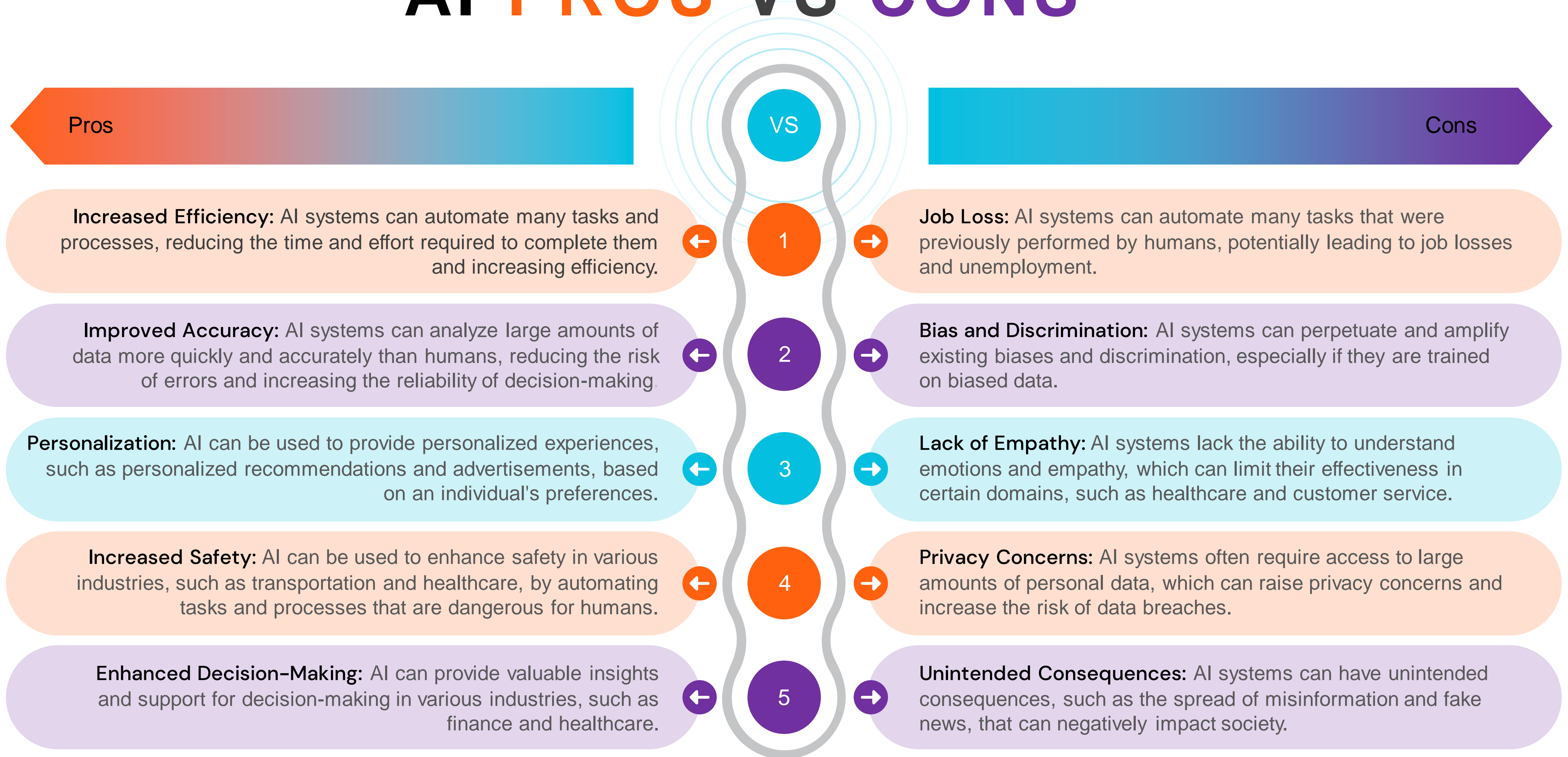
AI Testing and DevOps tool



Video 2:

<https://www.youtube.com/watch?v=S7xTBa93TX8>

AI PROS VS CONS



ALMOST FINISHING

Where we are?

We are living **unprecedented technological advancements**, we stand on the precipice of a new reality in which artificial intelligence is more than a tool, but a transformative force redefining the contours of human endeavour, stimulating the birth of previously unexplored ideas, and pushing the boundaries of what we once thought impossible.

RESPONSIBILITY

A black and silver robotic hand is shown reaching towards a human hand. The human hand has a tattoo on the forearm that includes a pocket billiard cue and the text "The Snooker". The background is a light, neutral color.

"As we guide artificial intelligence to its **full potential**, we bear a profound responsibility to ensure that its evolution is grounded in **ethical considerations**, to protect humanity from potential harms, and to shape a future in which AI serves as a catalyst for equitable progress, rather than a vehicle for unchecked power and inequality."

WE DIDN'T FINISH YET?

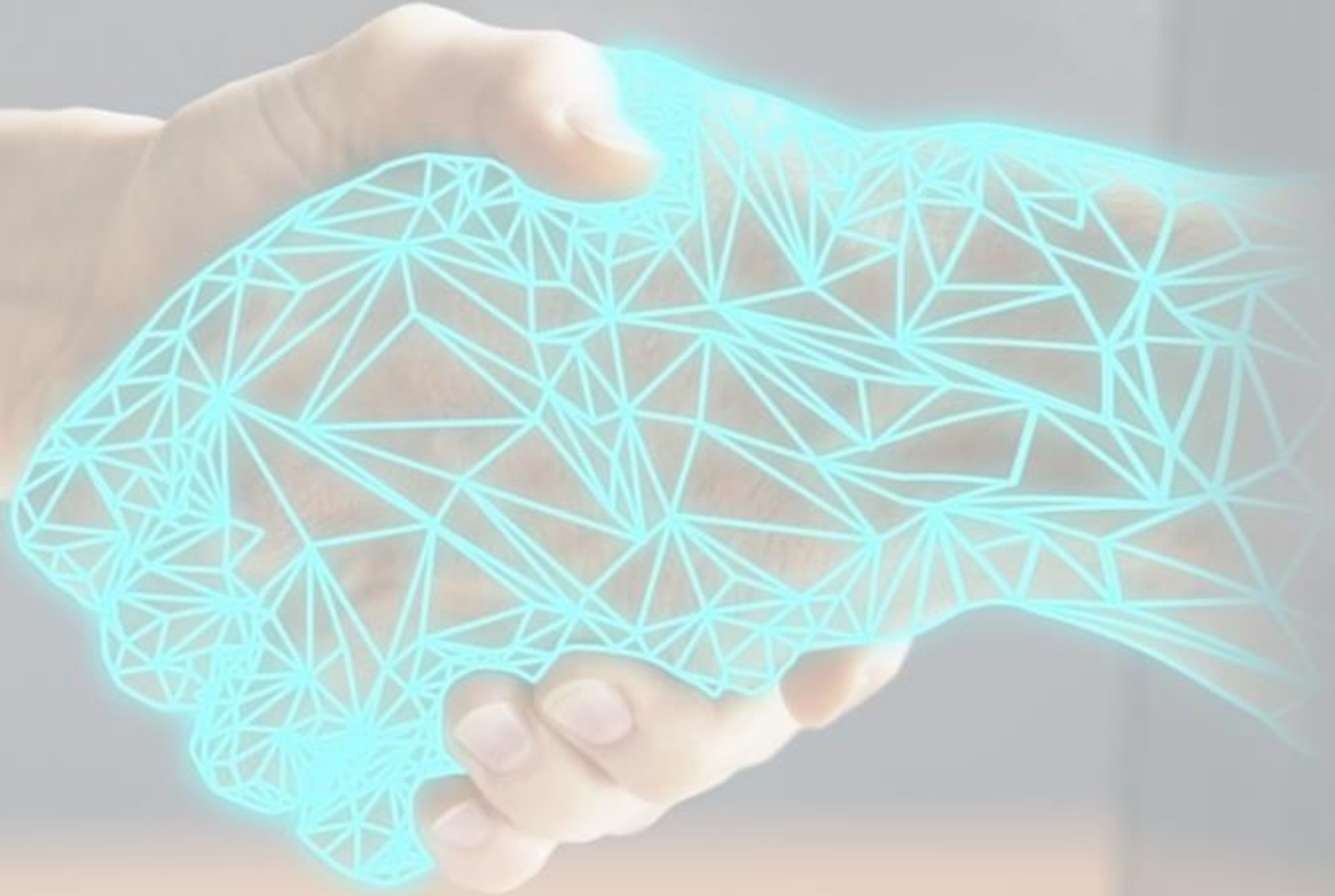
Regulations

The need for comprehensive and proactive regulation of artificial intelligence has never been more pressing; we must build **robust legal frameworks** that not only **prevent misuse** and **ensure accountability**, but also foster innovation and inclusivity, striking a delicate balance between harnessing the power of AI and preserving the fabric of our human society.

CONCLUSION

"Unseen but not unknown,
the future of AI holds a
powerful promise: **to change
everything, for the better.**"

Q&A



<https://linktr.ee/ivanmoreira>

THANK YOU