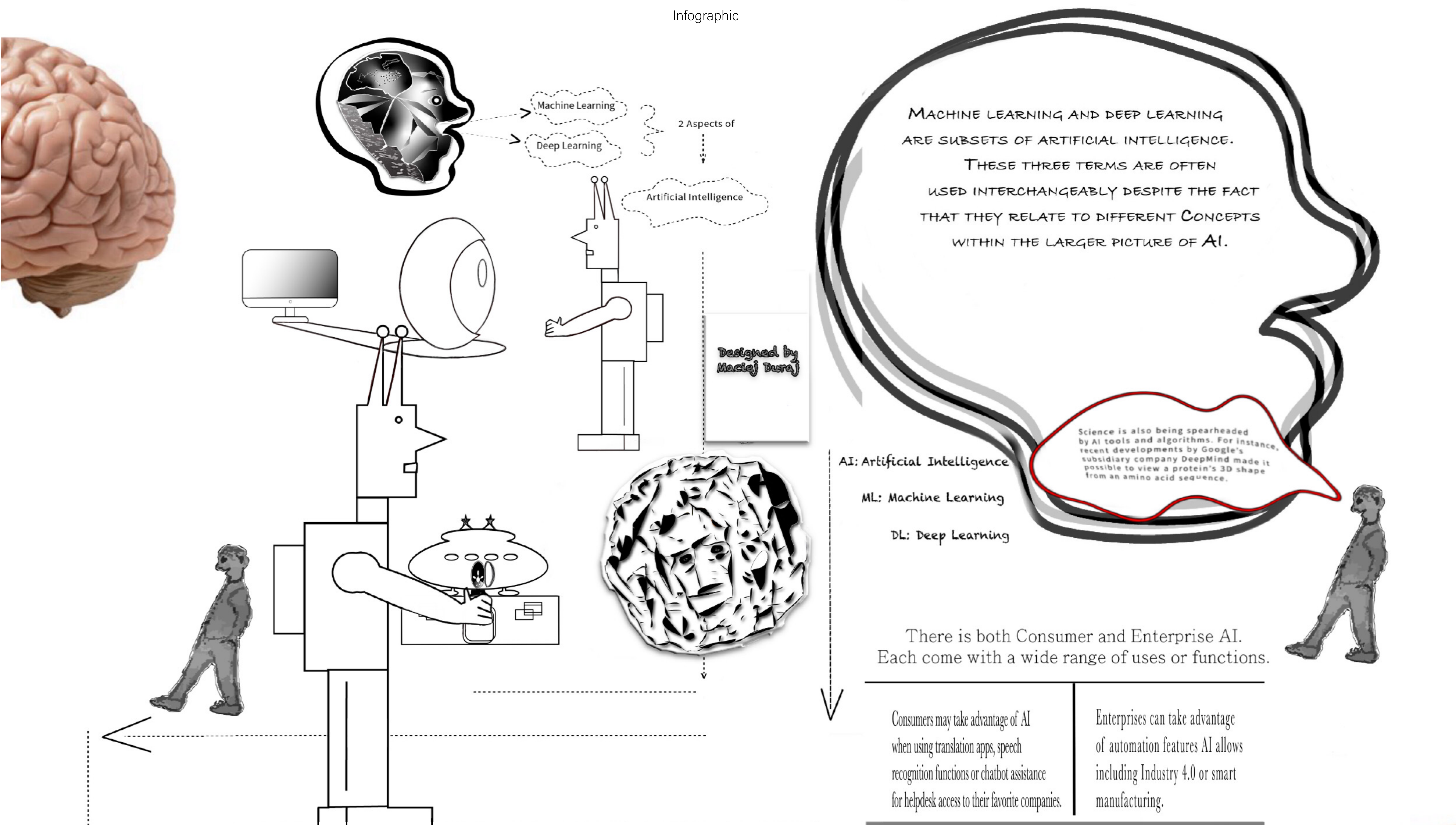


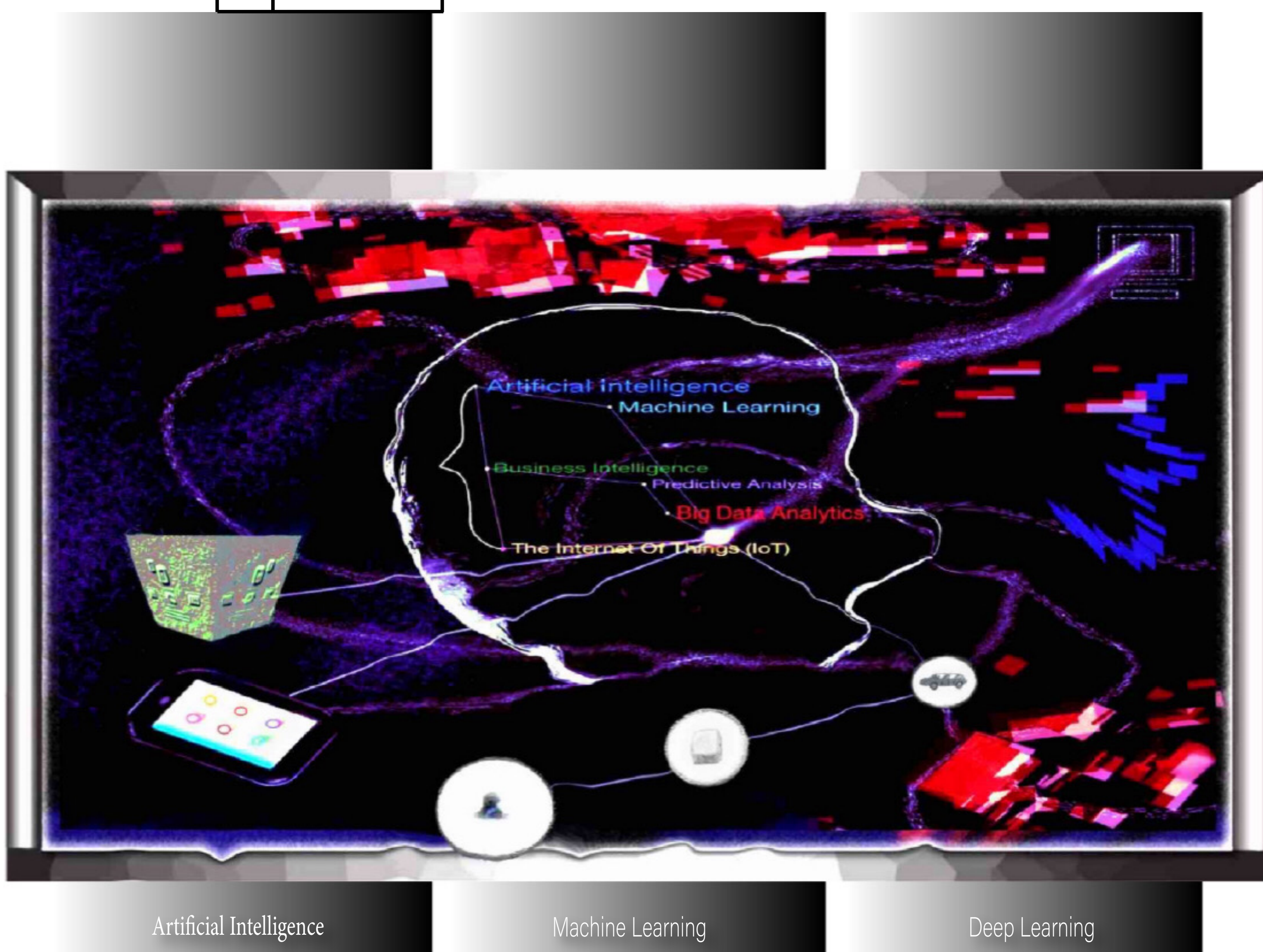
Artificial Intelligence Explained

Infographic



Consumers may take advantage of AI when using translation apps, speech recognition functions or chatbot assistance for helpdesk access to their favorite companies.

Enterprises can take advantage of automation features AI allows including Industry 4.0 or smart manufacturing.



AI is a set of algorithms that can improve over time through task repetition, data gathering and learnt behavioral patterns.

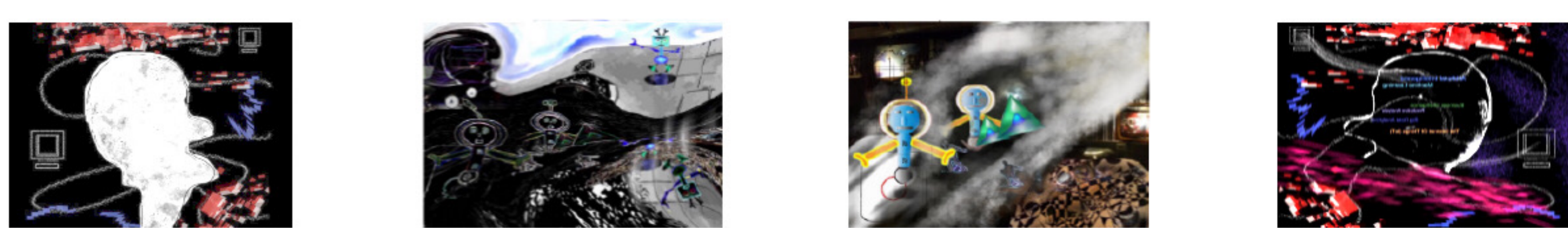
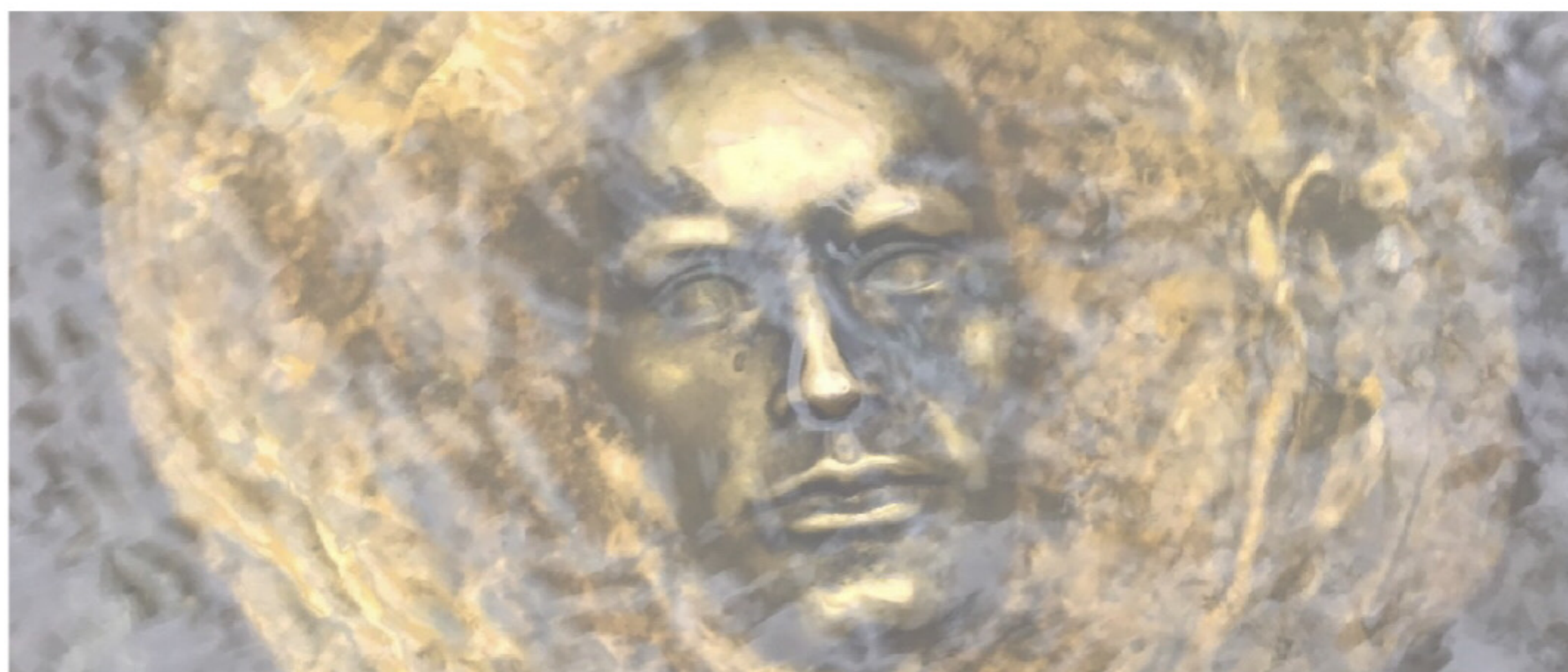
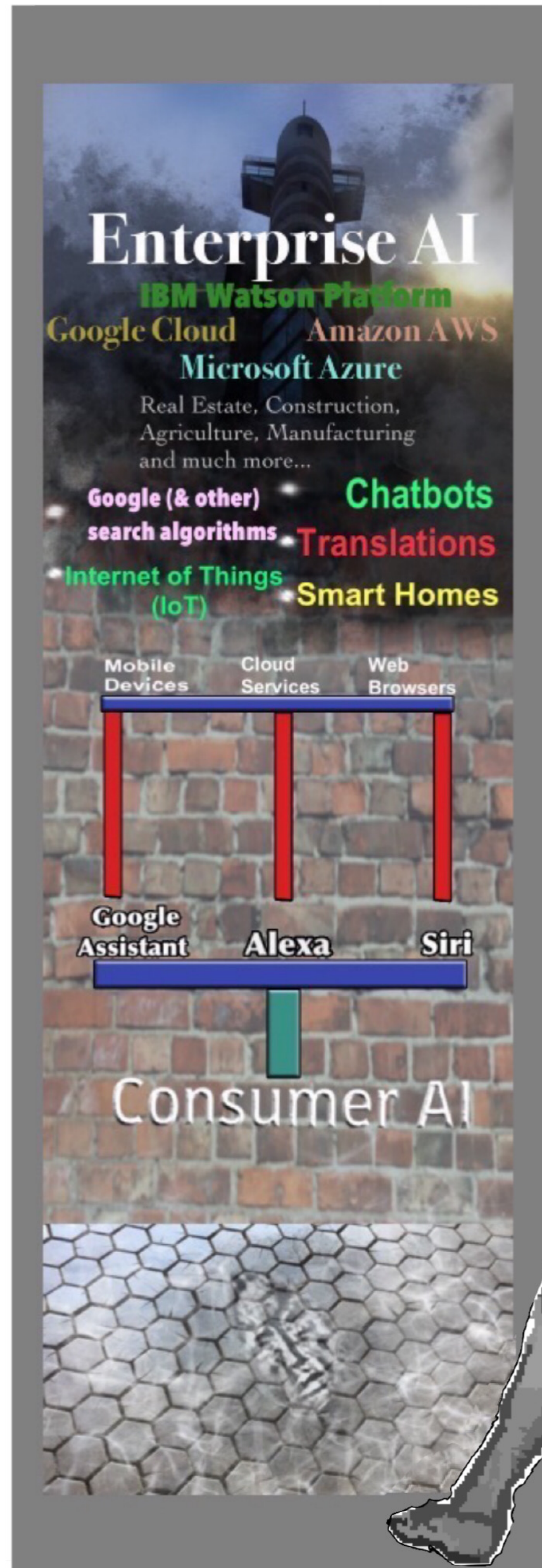
AI algorithms allow computing systems to accomplish tasks that have traditionally been only performed by humans. Examples of such tasks include calculating the probabilities of a car being able to parallel park safely; automating factory tasks humans had to previously do one task at a time; or translating complex text.

ML is an aspect of AI that deals with the ability of computer algorithms to learn over time through the process of repetition. These systems tend to improve functionally and effectiveness of software or even just a task the longer the AI stays operational.

This is because the algorithm finds more efficient solutions over a period of operational time. This occurs as the algorithm deals with adverse conditions or a wide variety of interaction with the software or its users.

DL is actually a subset of machine learning and thus also AI as a whole. It mimicks aspects of the human brain more fully than the other connotations or definitions. This is because DL specifically refers to the stage of AI where the system or algorithms learns from previous mistakes or patterns. It processes large amounts of data and uses this data and learnt experience to improve and function more efficiently over time.

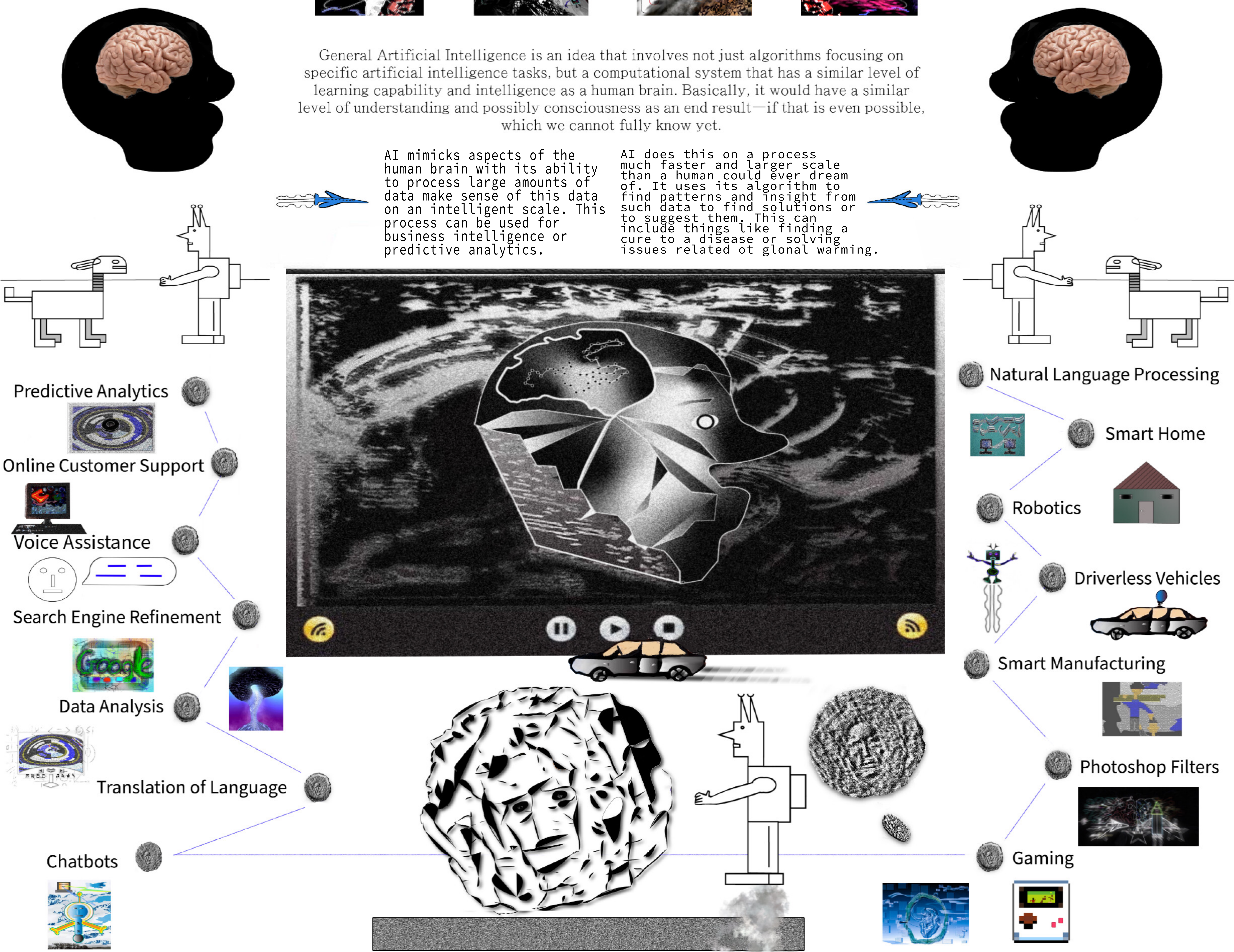
It uses a layering or onion peel type of a process where each layer uses the information from previous to improve.



General Artificial Intelligence is an idea that involves not just algorithms focusing on specific artificial intelligence tasks, but a computational system that has a similar level of learning capability and intelligence as a human brain. Basically, it would have a similar level of understanding and possibly consciousness as an end result—if that is even possible, which we cannot fully know yet.

AI mimicks aspects of the human brain with its ability to process large amounts of data make sense of this data on an intelligent scale. This process can be used for business intelligence or predictive analytics.

AI does this on a process much faster and larger scale than a human could ever dream of. It uses its algorithm to find patterns and insight from such data to find solutions or to suggest them. This can include things like finding a cure to a disease or solving issues related to global warming.



Sources

<https://pluralsight.com/guides/machine-learning-a-technological-revolution-of-the-future>
<https://singularityhub.com/2019/03/26/what-would-it-mean-for-ai-to-become-conscious/>