Artificial Intelligence is a term used to denote the capability of computers to imitate human intelligence. What does imitating human intelligence entail? It includes developing visual perceptions, recognizing speech, and making smart decisions accordingly. In short, Artificial Intelligence is the ability of a machine to replicate human intellect and carry out tasks which only a human mind would otherwise be capable of. To further understand the notion of Artificial Intelligence, it could be classified into two broad categories; Narrow AI and Broad/General AI.

In the contemporary technological environment, there is a multitude of applications for narrow AI. Often referred to as weak intelligence, Narrow AI is found in applications with one particular specialty. Narrow AI lacks the human intellectual ability to carry out several tasks. Its main purpose is to carry out singular tasks that can range from assisting doctors in identifying tumors in radiology reports to army surveillance. These applications are strictly developed to perform a particular task when a given

situation occurs. Also, these applications are incapable of performing multiple tasks and lack the ability to learn and adapt to different situations.

General Artificial Intelligence is an entirely different phenomenon from Narrow AI; it encompasses the development of such systems that can adapt and learn from its experiences. This level of intelligence is still a theory and lacks practical implementation.

**Current AI Applications & Their Uses?**

AI applications are used in a variety of different industries and are an integral component when it comes to automating processes. AI applications have been incorporated into various sectors that have influenced the manner in which modern society functions.

**Internet Browsing**



Google has incorporated AI applications in a variety of different forms to generate search results in the most effective and efficient manner. Using keywords as the primary key search engines utilize AI applications to sift through vast amounts of data to get the most desired and relevant results within seconds.

**Virtual Assistants**

Voice recognition software has allowed AI to be incorporated into many applications that we use on a daily basis. **Siri** and **Alexa**, for example, are AI-based virtual assistants that can recognize voice commands and perform a variety of tasks accordingly. As technology advances, AI-based virtual assistants could very well be the secretaries of the future.

**Transport Management**





Most modern vehicles are inundated with technology to help keep drivers safe behind the wheel. Self-parking, cruise control, traction control, and automatic braking come as standard on most new cars available for sale today. All of these modern features are made possible through the use of artificial intelligence that constantly monitors road surface, vehicle distance, g forces, and hundreds of other complicated measurements and readings that help keep you and those around you safe. Hypercars and sports cars alike are equipped with the most advanced AI applications that track thousands of different inputs to allow the car to produce maximum power and traction around corners and straights.

Not just cars AI is used in all sorts of modern transport vehicles from planes, ships, trains, military equipment and space shuttles. The use of AI has allowed humans to go to places which

no one thought possible but a century ago. Now the possibilities seem endless!

**Software & Technology**

The use of artificial intelligence has been a major factor in the technological boom of the 21st century. All the top technological giants of the world such as Google, Amazon, Apple, Microsoft, and many others use advanced artificial intelligence and automation to handle a large component of their business processes. The use of AI has allowed these tech giants to grow and scale in a manner that has never before seen in history.

**The Endless Possibilities?**

Today, AI is integrated within the very framework on which our society operates and this dependency is only going to increase in the coming decades. Every time the subject of AI is brought up, for most people, the movie 'Terminator' springs to mind. This legendary movie (in my mind at least) made the theory of artificial intelligence popular around the world.

A world run and governed by machines is a scary thought and scarier still is the fact that the use of AI is already working its way towards just this. Automation and the excessive use of artificial intelligence have impacted global economies and begun an industrial war that is tearing apart our planet's finite resources.

The loss of jobs in the manufacturing sector because of automation has seen a rise in poverty levels as a result of fewer low-skilled jobs available. On the other hand, the use of AI has helped save countless lives in the medical and pharmaceutical industry and makes everyday life for billions around the world a lot more convenient and easy.

Like most things in this world, artificial intelligence can be both beneficial and detrimental. Our imagination, determination, and resilience have allowed us to achieve incredible things. The use of AI, only further aids are evolution but like all other technology, it has to be regulated and governed. Artificial intelligence can help unlock countless possibilities that are still awaiting discovery.

*A parting thought:* Google's AI just recently produced its own baby AI that is better than most man-made AI systems. Hmm… has the countdown already begun?