

Computer Vision

The Artificial intelligence is a branch of computer science that growtheing and developing fastly, it mainly aim to inventing and building smart systems that have ability to performe tasks that require human intelligence independently. It uses advanced tools for predicting patterns and detect objects. One of artificial intelligence fields is computer vision.

Computer Vision definition:

The computer vision belongs to the Artificial Intelligence (AI), it basically establishing well studied digital systems that enables and help computers to observe, analyze and understand the visual inputs such as images or videos.

So, it is technology uses the Machine Learning, Deep Learning and Neural Network to prompt computer interacts with the physical world used to detect and classify objects and perform the operations of built system depending on inputs.

Computer Vision Applications

The Computer Vision used in several real-world applications such as Manufacturing, education, entertainment, healthcare and so on.

As in the healthcare field, the concept of computer vision us Machine learning to develop medical industries for Cancer Detection such as breast cancer detection. It works through processing of image and recognition it, then it will help doctors to determine differences between cancerous and non-cancerous images and diagnose data from inputted photos. As well as The Masked Face Recognition helps countries in Covid pandemic as a control strategy to detect the wearing of masks to limit and control the separation of virus.

In Manufacturing files, the Computer Vision widely used in productivity analytics for controlling the Manufacturing employees and implement various tools for increase productivity.

the management strategies aim to objectively quantify and assess processes with cameras-based vision systems.