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1. **There are different interpretations of artificial intelligence in different contexts. Please elaborate on the artificial intelligence in your eyes.**

Artificial Intelligence is defined differently in each stage. In the beginning, AI was just a concept for analyzing in cipher which leading by Alan Turing, a genius as well as a father of AI field. But via the breakthrough the technology of computer science, AI is more affections in many ways such as agriculture, banking, insurance, … At the moment, Chat GPT is gaining popularity over the world because lots of advantages: giving result for anything inputs with the astonishing accuracy for each answers, it also will be a threaten for any labor related to IT, education, banking,.. if they don’t update themselves, they easily lose the job from Chat GPT.

1. **Artificial intelligence, machine learning and deep learning are three concepts often mentioned together. What is the relationship between them? What are the similarities and differences between the three terms?**

Three concepts has a strong relationship and getting affect in each others. But there are still some differences when comparing among of them. Artificial Intelligence is the is the process of imparting data, information, and human intelligence to machines. The main goal of Artificial Intelligence is to develop self-reliant machines that can think and act like humans. These machines can mimic human behavior and perform tasks by learning and problem-solving. Machine learning is a term used to denote computers ‘learning’ from large amounts of data. Machine learning is generally more accurate with large data sets, which is generally facilitated by big data. Big data refers to a large amount of user data and metadata that is collected by a company. Deep learning is a machine learning algorithms with brain-like logical structure of algorithms called artificial neural networks.

1. **After reading the artificial intelligence application scenarios in this chapter, please describe in detail a field of AI application and its scenarios in real life based on your own life experience.**

For my personal, AI is gradually applied in various fields in our life. Over of these, Car self-driving is the highlight field which AI is taking majority and getting pretty performances in many experiments and sooner, Self-driving is the trending which leading by Tesla- whose Elon Musk owner .By using bunch of sensors, the recognition voice from the owner, it can automatically dodge the obstacles, discrimination among the objects. For my experiences, it’s definitely thrilling feeling when you should not drive by yourself. It means, you get a lot of time and do anything what you want in your own car. In additional, with the accuracy, the stability and reliability, we totally in safe when the car driving.

1. **Which chip is for deep neural networks and Ascend AI processors. Please brief these four major modules.**

At now, chips for deep neural networks and Ascend AI processors are fabricated by big-tech company in the world. There is a list of that:

Timeline

Description automatically generated with low confidence

1. **Based on your current knowledge and understanding, please elaborate on the development trends of artificial intelligence in the future in your view**

With the prediction of many researchers, AI is not applied in reality but also applied in the Virtual environments. It will be collaborated with Augmented Reality to create a surreal environment. In this simulating space, many experiment also bringing unique experiences which real world can not be given. Image that throughout the AI, we can fabricate our the accuracy dimension of the moon or the sun, so we don’t need to use spaceship and easy for finding out the secrets in the universe.