**Demystifying Artificial Intelligence and Data Science**

**Uses of Artificial Intelligence And Data Science**

**Artificial Intelligence and data science** are two important fields. In the present day which is used to solve various problems through various technologies and practical use.

All in all, **artificial intelligence and data science** are being used in the current world, especially in various digital platforms, banking sector distribution, various commercial software development, medical science, e-commerce, transportation services, and various research development.

**What is Artificial Intelligence?**

Artificial Intelligence is a scientific field that utilizes humans' overall intelligence and functionality to make any decision.

It has been able to reveal the overall intelligence and functionality of the people specifically.

Using artificial intelligence, computer systems can automatically make different decisions, solve problems, generate new information, and create different strategies.

**Artificial intelligence** mainly uses three methods. First provides powerful analytics capabilities, and finally displays new information and solves problems.

Second, it can solve various problems by processing the stored information

In short, Artificial Intelligence is a method that uses human intelligence and activity to act on its own and provide us with various information through computer systems.

**What is Data Science?**

Data science is an important field that generates knowledge from data.

Data science extracts relevant information from various data through scientific techniques and algorithms and performs statistical analysis on it.

Data science is the way we generate knowledge from data through various programming, mathematics, and statistics, then solve various problems through data analysis, data modeling, machine learning, and data visualization.

Data science participants should have knowledge of data acquisition, data collection, data statistics, feature engineering, machine learning, and data visualization. Also, a data scientist should have knowledge of mathematics and statistics.

Data science involves the analysis, prediction, modeling, and visualization of information from data sets.

Data science management requires knowledge of programming languages such as Python, R, Java, and C++ technologies. Moreover, knowledge of JavaScript, Artificial Intelligence (AI), Machine Learning (Machine Learning), and Deep Learning (Deep Learning) are also useful in data science.

Data science-related work is regularly used in various enterprise sectors. For example, applying data science in banking, distribution, commercial software development, medical and pharmaceutical development, transportation and building services, e-commerce, and service delivery.

**Embracing the Future of Artificial Intelligence and Data Science**

**Future of Artificial Intelligence**

1. The development of artificial intelligence technology will continue to advance in the country and the world and its use will be expanded in various fields.

2. A combination of artificial intelligence and robotics will be able to assist humans. It will enable the creation of new services and products.

3. Artificial intelligence will be accessible to social and family users through health and education services, safety and security systems, security and justice systems, etc.

4. Artificial intelligence will occupy a major place in the global market regarding new initiatives. It will be influential in business investments and will be able to generate new income.

**Future of Data Science**

1. Data science will drive the future development of various initiatives and service extensions, such as digital platforms, commercial software development, etc.

2. Data science will bring significant changes in people's lives and the functioning of organizations. Knowledge and intelligence can be improved by using data science to solve various problems. It will create a relationship and trust between technology and common people

Overall, the future **of Artificial Intelligence (AI) and Data Science** is very rich and important. These will be able to bring special effects and improvements in various fields.

**Relation between Artificial intelligence and Data Science**

In both **artificial intelligence and data science**, the main objective is to derive knowledge from various stored data

The relationship between artificial intelligence and data science is nicely described below

1. Data science is an important field that generates knowledge from data. Artificial intelligence uses that knowledge to make various decisions.

2. Data science cleans and analyzes data using various data processing techniques, typically statistical methods, statistics, and machine learning. This process then generates knowledge from the data which is used for artificial intelligence.

3. Data science technologies can increasingly use artificial intelligence. Artificial Intelligence uses these data science technologies to process information and make decisions following human intelligence and processivity.

4. Using data processed by artificial intelligence can generate new knowledge, which can then be used in data science work.

5. Thus **artificial intelligence and data science** work together towards the same goal and simultaneously extend each other. Data science techniques generate knowledge by processing data and artificial intelligence uses this knowledge to make decisions.