

# Artificial Intelligence

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Artificial intelligence (AI) is the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. The term is frequently applied to the project of **developing systems endowed with the intellectual processes characteristic of humans, such as the ability to reason, discover meaning, generalize, or learn from past experience.**

## Applications of AI

- **Astronomy**

Artificial Intelligence can be very useful to solve complex universe problems. AI technology can be helpful for understanding the universe such as how it works, origin.

- **Healthcare**

AI can help doctors with diagnoses and can inform when patients are worsening so that medical help can reach to the patient before hospitalization.

- **Gaming**

The AI machines can play strategy games like chess, where the machine needs to think of a large number of possible places.

- **Finance**

The finance industry is implementing automation, chatbot, adaptive intelligence, algorithm trading, and machine learning into financial processes.

- **Data Security**

AI can be used to make the data more safe and secure. Some examples such as AEG bot, AI2 platform are used to determine

software bugs and cyber-attacks in a better way.

- **Travel**

AI is capable of doing various travel related works such as from making travel arrangements to suggesting the hotels, flights, and best routes to the customers.

- **E-Commerce**

AI is helping shoppers to discover associated products with recommended size, color, or even brand.

### Threats of AI

- **Autonomous Weapons**

. AI programmed to do something dangerous, as is the case with autonomous weapons programmed to kill, is one way AI can pose risks.

. Once deployed, they will likely be difficult to dismantle or combat.

- **Social Manipulation**

. Social media through its autonomous-powered algorithms is very effective at target marketing.

. By spreading propaganda to individuals identified through algorithms and personal data, AI can target them and spread whatever information they like, in whatever format they will find most convincing—fact or fiction.

- **Invasion of Privacy**

. It is now possible to track and analyze an individual's every move online as well as when they are going about their daily business.

. This is the type of information that is going to power China's social credit system that is expected to give every

one of its 1.4 billion citizens a personal score based on how they behave.

- **Misalignment Between Our Goals and the Machine's**

. If we aren't clear with the goals we set for AI machines, it could be dangerous if a machine isn't armed with the same goals we have.

- **Discrimination**

. Since machines can collect, track and analyze so much about a person, it's very possible for those machines to use that information against the person.