

The Race of Artificial Intelligence and Challenges

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Abstract: *In today's era Artificial Intelligence (AI) has become an increasingly prominent field of research and development over the past few decades. In recent years, the development of AI has been accelerating, with more and more resources being devoted to the creation of increasingly sophisticated and capable AI systems. With more and more countries being in an AI arm race, companies competing and racing to be the one with the next most disruptive and transformative AI system. Artificial Intelligence (AI) is the science and engineering of making intelligent machines, especially intelligent computer programs. It is related to the similar task of using computers to understand human intelligence, but AI does not have to limited itself to procedures that are biologically observable. While no exact definition of Artificial Intelligence (AI) exists, AI is broadly characterized as the study of computations that allow for reason, perception and action. Today, the amount of data that is generated, by both humans and machines, far outpaces humans' ability to absorb, interpret, and make complex decisions based on that data. Artificial intelligence forms the basis for all computer learning and is the future of all complex decision making. This paper focuses features of artificial Intelligence, introduction, history, applications, growth and achievements. This paper also analyzes the current state of artificial intelligence progresses, and how the current AI race with recent trends.*

Keywords: Artificial Intelligence (AI), Literature Review, Existing Systems Machine learning.