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Artificial intelligence, defined as intelligence exhibited by machines, has many applications in today's society. More specifically, it is Weak AI , the form of AI where programs are developed to perform specific tasks, that is being utilized for a wide range of activities including medical diagnosis , electronic trading platforms , robot control , and remote sensing .

Engineering Applications of Artificial Intelligence

There are many applications of artificial intelligence in design and manufacturing processes such as component selection, design, reasoning, learning, perception, sensing, recognition, intuitions, creativity, analysis, abstraction, planning, and prediction.

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Today's AI is narrow. Applying trained models to new challenges requires an immense amount of new data training, and time. We need AI that combines different forms of knowledge, unpacks causal relationships, and learns new things on its own. In short, AI must have fluid intelligence— and that's exactly what our AI research teams are building.