

Artificial Intelligence Overview

Artificial Intelligence refers to the simulation of human intelligence in machines. AI systems are designed to think, learn, and make decisions. Applications of AI include healthcare, finance, transportation, robotics, and education. AI can be categorized into narrow AI, general AI, and super AI. Artificial Intelligence refers to the simulation of human intelligence in machines. AI systems are designed to think, learn, and make decisions. Applications of AI include healthcare, finance, transportation, robotics, and education. AI can be categorized into narrow AI, general AI, and super AI. Artificial Intelligence refers to the simulation of human intelligence in machines. AI systems are designed to think, learn, and make decisions. Applications of AI include healthcare, finance, transportation, robotics, and education. AI can be categorized into narrow AI, general AI, and super AI. Artificial Intelligence refers to the simulation of human intelligence in machines. AI systems are designed to think, learn, and make decisions. Applications of AI include healthcare, finance, transportation, robotics, and education. AI can be categorized into narrow AI, general AI, and super AI. Artificial Intelligence refers to the simulation of human intelligence in machines. AI systems are designed to think, learn, and make decisions. Applications of AI include healthcare, finance, transportation, robotics, and education. AI can be categorized into narrow AI, general AI, and super AI. Artificial Intelligence refers to the simulation of human intelligence in machines. AI systems are designed to think, learn, and make decisions. Applications of AI include healthcare, finance, transportation, robotics, and education. AI can be categorized into narrow AI, general AI, and super AI.

Machine Learning Fundamentals

Machine Learning is a subset of AI that focuses on building systems that learn from data. Instead of rule-based programming, ML models identify patterns automatically. Common ML tasks include classification, regression, and clustering. Machine Learning is a subset of AI that focuses on building systems that learn from data. Instead of rule-based programming, ML models identify patterns automatically. Common ML tasks include classification, regression, and clustering. Machine Learning is a subset of AI that focuses on building systems that learn from data. Instead of rule-based programming, ML models identify patterns automatically. Common ML tasks include classification, regression, and clustering. Machine Learning is a subset of AI that focuses on building systems that learn from data. Instead of rule-based programming, ML models identify patterns automatically. Common ML tasks include classification, regression, and clustering. Machine Learning is a subset of AI that focuses on building systems that learn from data. Instead of rule-based programming, ML models identify patterns automatically. Common ML tasks include classification, regression, and clustering.

Supervised Learning

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Unsupervised Learning

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Neural Networks

Neural Networks are inspired by the structure of the human brain. They consist of input layers, hidden layers, and output layers. Each neuron applies weights and activation functions to process data. Neural Networks are inspired by the structure of the human brain. They consist of input layers, hidden layers, and output layers. Each neuron applies weights and activation functions to process data. Neural Networks are inspired by the structure of the human brain. They consist of input layers, hidden layers, and output layers. Each neuron applies weights and activation functions to process data. Neural Networks are inspired by the structure of the human brain. They consist of input layers, hidden layers, and output layers. Each neuron applies weights and activation functions to process data. Neural Networks are inspired by the structure of the human brain. They consist of input layers, hidden layers, and output layers. Each neuron applies weights and activation functions to process data.

Deep Learning

Deep Learning is a branch of machine learning using deep neural networks. It is widely used in image recognition, speech processing, and NLP. Deep learning models require large datasets and high computational power. Deep Learning is a branch of machine learning using deep neural networks. It is widely used in image recognition, speech processing, and NLP. Deep learning models require large datasets and high computational power. Deep Learning is a branch of machine learning using deep neural networks. It is widely used in image recognition, speech processing, and NLP. Deep learning models require large datasets and high computational power. Deep Learning is a branch of machine learning using deep neural networks. It is widely used in image recognition, speech processing, and NLP. Deep learning models require large datasets and high computational power. Deep Learning is a branch of machine learning using deep neural networks. It is widely used in image recognition, speech processing, and NLP. Deep learning models require large datasets and high computational power.

Natural Language Processing

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