

Question

Pick any three that interests you more of the 15 AI areas, research on it and get at least five real live applications with the company and their website.

Cognitive science applications

1. Expert system
2. Machine learning
3. Learning system
4. Fuzzy logic
5. Genetic algorithm
6. Neural networks
7. Intelligent agent

Robotics applications

1. Visual perception
2. Tactility
3. Dexterity
4. Locomotion
5. Navigation

Neural interface applications

1. Natural language
2. Speech recognition
3. Multisensory interface
4. Visual reality

Answer

Focusing on Machine Learning, Neural Networks, and Speech Recognition. Below are their information on real-life applications, including the companies involved and their websites.

Machine Learning

1. Google (Alphabet Inc.)

- Application: Search algorithms, advertising, and personalized content recommendations.

- Website: [Google](<https://www.google.com>)

2. Amazon

- Application: Product recommendations, fraud detection, and supply chain optimization.

- Website: [Amazon](<https://www.amazon.com>)

3. Netflix

- Application: Content recommendation and personalization.

- Website: [Netflix](<https://www.netflix.com>)

4. IBM

- Application: Watson AI for healthcare diagnostics and business analytics.

- Website: [IBM Watson](<https://www.ibm.com/watson>)

5. Tesla

- Application: Autopilot and self-driving technology.

- Website: [Tesla](<https://www.tesla.com>)

Neural Networks

1. DeepMind (Alphabet Inc.)

- Application: AlphaGo, protein folding predictions with AlphaFold.
- Website: [DeepMind](<https://www.deepmind.com>)

2. OpenAI

- Application: Language models like GPT-4, Codex for coding assistance.
- Website: [OpenAI](<https://www.openai.com>)

3. NVIDIA

- Application: GPU-accelerated deep learning and AI research.
- Website: [NVIDIA](<https://www.nvidia.com>)

4. Facebook (Meta Platforms Inc.)

- Application: Image and video recognition, content moderation.
- Website: [Meta](<https://www.meta.com>)

5. Microsoft

- Application: Azure AI for cloud-based neural network services.
- Website: [Microsoft Azure AI](<https://azure.microsoft.com/en-us/services/machine-learning/>)

Speech Recognition

1. **Apple**

- Application: Siri voice assistant.
- Website: [Apple](<https://www.apple.com>)

2. **Google**

- Application: Google Assistant, Google Voice Search.
- Website: [Google](<https://www.google.com>)

3. **Amazon**

- Application: Alexa voice assistant.
- Website: [Amazon](<https://www.amazon.com>)

4. **Microsoft**

- Application: Cortana, Azure Cognitive Services for speech-to-text.
- Website: [Microsoft](<https://www.microsoft.com>)

5. **Nuance Communications**

- Application: Dragon NaturallySpeaking for dictation and transcription.
- Website: [Nuance](<https://www.nuance.com>)

These applications illustrate how AI technologies are integrated into everyday products and services, driving innovation and efficiency across various industries.