









AI Introduction

Machine Learning, Deep Learning, Neural Networks

AI Application Areas

-  **Video:** Key Fields of Application in AI
4 min
-  **Video:** Natural Language Processing, Speech, Computer Vision
4 min
-  **Video:** Self Driving Cars
4 min
-  Hands-On Lab: Computer Vision
15 min
-  **Reading:** Lesson Summary
10 min

Week 2 Quiz

-  **Quiz:** Graded: AI Concepts, Terminology, and Application Areas
10 questions



Lesson Summary

In this lesson, you have learned:

- Natural Language Processing (NLP) is a subset of artificial intelligence that enables computers to understand the meaning of human language, including the intent and context of use.
- Speech-to-text enables machines to convert speech to text by identifying common patterns in the different pronunciations of a word, mapping new voice samples to corresponding words.
- Speech Synthesis enables machines to create natural sounding voice models, including the voice of particular individuals.
- Computer Vision enables machines to identify and differentiate objects in images the same way humans do.
- Self-driving cars is an application of AI that can utilize NLP, speech, and most importantly, computer vision.

To learn more about Natural Language Processing, read this article:

- [A beginner's guide to Natural Language Processing](#)

✓ Complete

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