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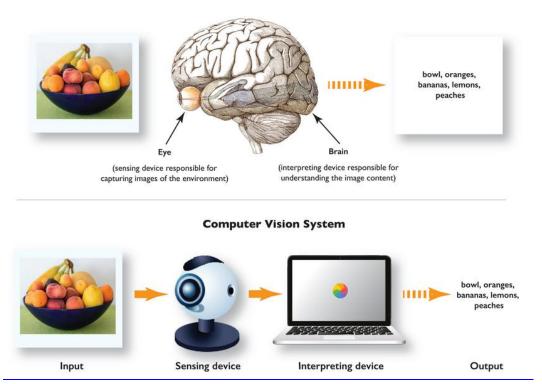
WHAT WE WILL LEARN;



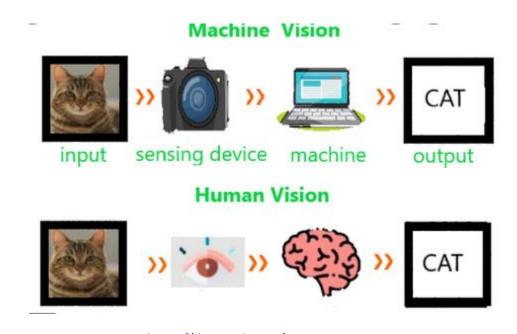
- Building a ROBUST vision for the Al ML Machine Learning
 & Deep learning career path.
- Being familiar with COLAB and KAGGLE environments &GiTHuP.
- Being Familiar with the most important python Machine Learning Libraries (Numpy, Pandas, MatPlotLib,Scipy)
- Being Familiar with the most important Deep Learning Platforms (TensorFlow, Keras & OpenCV)
- Developing a Transfer Learning Technique and dealing with various types of DataSets
- Building a CNN Convolutional Neural Network
- Building and Testing a Deep Learning MODEL
- Tuning the model hyperparameters to obtain the best accuracy
- Building a real life deep learning application
- Contributing in Kaggle Competitions!
- Algorithms and Data Structures & Python Coding

What is Computer Vision?

Computer Vision is the art of how computers can gain a high-level understanding of digital images or videos.

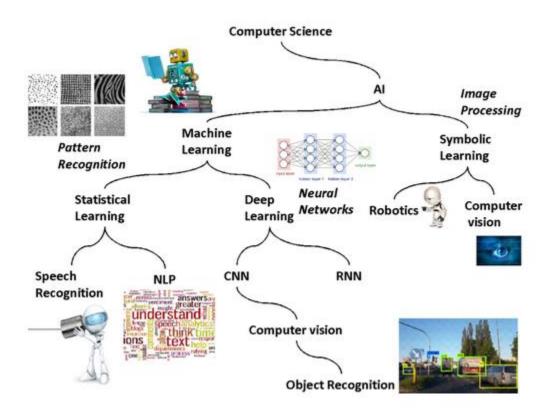


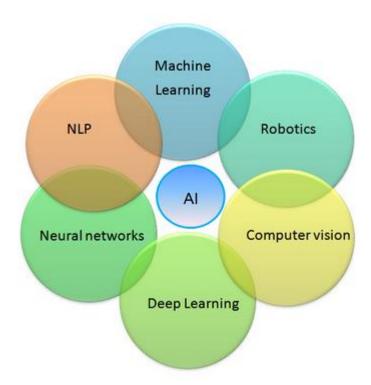
 $\underline{https://freecontent.manning.com/mental-model-graphic-grokking-deep-learning-for-computer-vision/growth and the properties of the prope$



https://devopedia.org/computer-vision

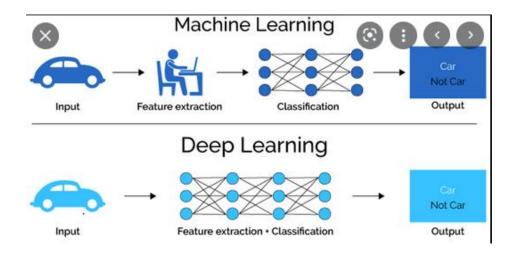
Where can we use Computer Vision?

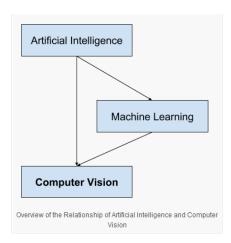


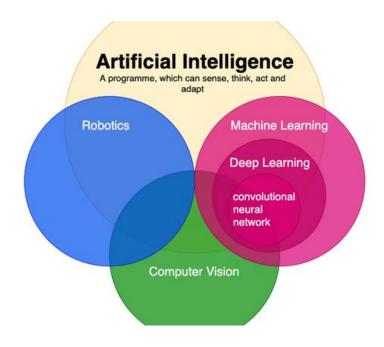


https://www.aitimejournal.com/@premlatha.kr/what-is-ai-in-a-simple-way

Deep-Learning Vs Machine-Learning





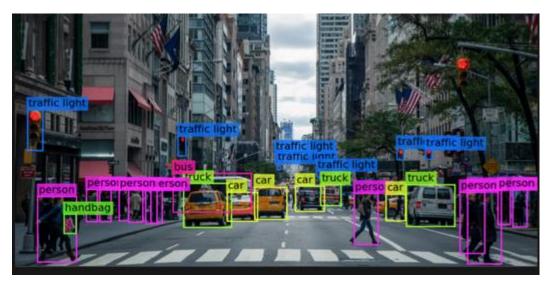


Why Computer Vision?









Computer Vision Projects List

- 1. Cartoonize an Image
- 2. Face Detection
- 3. Similar Images Finder
- 4. Face Recognition
- 5. Barcode and QR Code Scanner
- 6. Face Mask Detection
- 7. Handwritten Character Recognition using MNIST Dataset
- 8. Number of People Counter
- 9. Virtual Invigilator
- 10. Polyp Segmentation
- 11. Early Fire Detection System
- 12. Facial Expression Recognition
- 13. Text Scanner
- 14. Number-Plate Reader
- 15. Projects with Open Images Dataset
- 16. Deep dreams using CNN
- 17. Image Retrieval using Content
- 18. Multi-class Image Classification

