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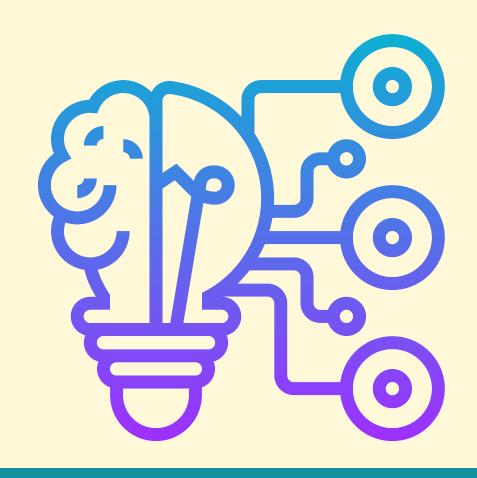# DEEP LEARNING

WHAT, HOW & WHERE?

xxxxxxxxxxxxxxxxx

Arockia Liborious

Talk ML with AL

Computer Vision

COMPUTER VISION IS A FIELD OF ARTIFICIAL INTELLIGENCE THAT TRAINS COMPUTERS TO INTERPRET AND UNDERSTAND THE VISUAL WORLD

1. Image Classification

2. Object Detection

3. Face recognition

4. Object Segmentation

5. Image captioning

6. Image Reconstruction

7. Image Style Transfer

8. People Counting

9. Cancer Detection

10. Crop Monitoring

11. Traffic Flow Analysis

Natural Language Processing

NLP IS A FIELD OF ARTIFICIAL INTELLIGENCE THAT AIMS AT MAKING MACHINES PROCESS AND UNDERSTAND THE HUMAN LANGUAGE IN ANY GIVEN CONTEXT

1. Generating Captions
2. Speech recognition
3. Question answering
4. Language Translation
5. Sentiment Analysis
6. Summarize Books/Documents
7. Classifying documents
8. Data Mining Research
9. Computer-assisted Coding
10. Automated Registry Reporting
11. Chatbots

Recommendation Systems & Robotics

- RECOMMENDATION SYSTEM IS USED TO PREDICT THE FUTURE PREFERENCE OF A SET OF ITEMS FOR A USER
- ROBOTICS HELP MACHINES REPLICATE HUMAN ACTIONS

1. Web search
2. Product recommendations
3. Home page layout
4. Movie/Video Recommendation
5. Music Information Retrieval
6. Spotify music
7. Motion Control
8. Object picking
9. Navigation
10. Remote Medical Procedures
11. Imitation learning