Machine Learning and Learning CS in real-world

Expert Interaction

About ME

- SE- DataScientist - AOT Technologies
- Open Source contributor - Keras, DVC, SMC
- Kaggle 2x Expert (under Rank 500)
- FOSSASIA Open TechNights Winner
- GCI Mentor - Tensorflow

Introduction

Artificial Intelligence (AI)

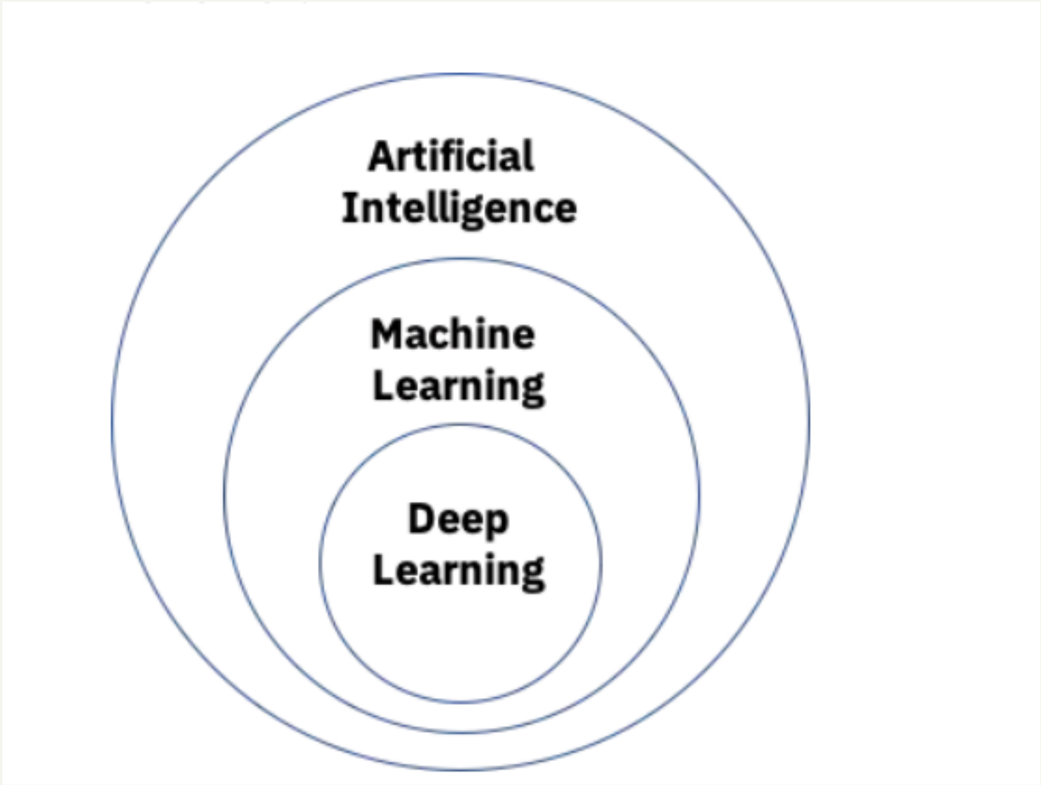
Whenever a machine completes a set of tasks based on set of stipulated rules that solves a problem(algorithms), such an intelligence systems is AI

Machine Learning (ML)

Machine Learning is subset of AI application that learns by itself. It actually reprograms itself, as it digests more data, to perform the specific task it's designed to perform with increasingly greater accuracy

Deep Learning (DL)

It is a subset of machine learning application that teaches itself to perform a specific task with increasingly greater accuracy, without human intervention.


Artificial
Intelligence
Machine
Learning
Deep
Learning

Data

Types of Machine Learning

Real World Applications

Supervised Learning

Unsupervised Learning

Reinforcement Learning

Few interesting applications of AI

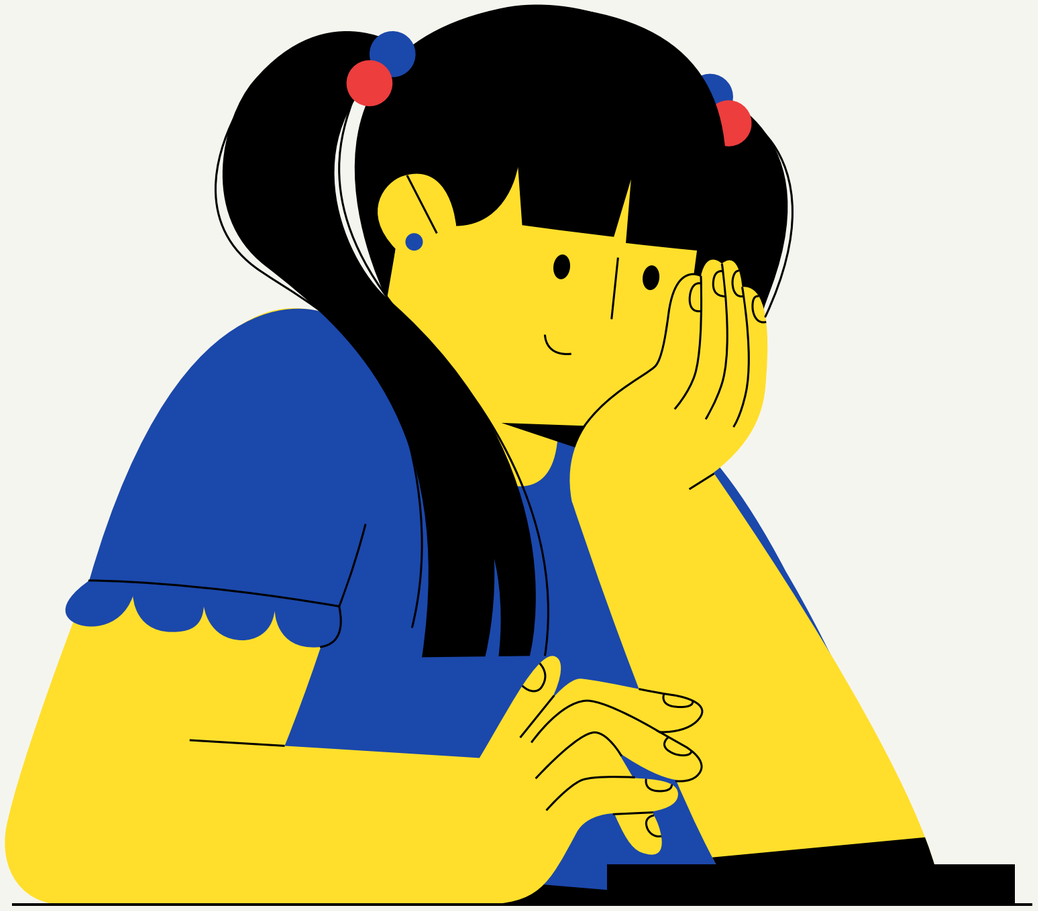
ImageNet competion — AlphaGo Zero — GPT-3 — Protein Folding

My tech Journey

Coding in Schools vs Real-world

- Learning Syntax
- Just building basic calaculators, software etc.

- Referring Documentation and googling a lot
- Building real useful software's



How to learn next?

References

1. https://www.ibm.com/cloud/learn/what-is-artificial-intelligence
2. https://github.com/GopikrishnanSasikumar/How-to-learn-ML-for-humans