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Assignment 1.1

Q1)

What is Artificial Intelligence (or Machine Learning)?

Artificial Intelligence is a broad area of computer science that makes machine seem that they have human intelligence. AI is present in today's world when we interact with Alexa to order Pizza or when we see recommended movies as suggested by Netflix etc.

AI is not a new technology. This term was coined by Dartmouth Professor John Mc Cathy in 1956. He called a group of computer scientists and mathematicians to see if machine could learn like a young child does using trial and error to develop formal reasoning.

The project proposal say they will figure out how to make machines use language, form abstractions and concepts, solve some kinds of problems now reserved for humans and improve themselves.

Initially AI was restricted to universities and super-secret labs but as the time changes, the amount of data generated by computers and computers' processing speed increases, industries and big tech giants start to use AI to make their work easier and helps them to gain more profit in short period of time. Very soon AI will become less artificial and lot more intelligent!!!

There are various fields of AI:

1. Natural Language Processing
2. Machine Learning
3. Robotics
4. Problem Solving, etc.

How will AI will affect your job? Just like industrial revolution, it is not human versus machine it is human v/s machine v/s problem. The point is AI helps you to accomplish more in less time, taking repetitive tasks of your jobs while you make the strategy and relationship.

Q2)

Applications of Machine Learning:

1. Image Recognition

2. Speech Recognition

3. Traffic prediction

4. Product recommendations

5. Self-driving cars

6. Email Spam and Malware Filtering

7. Virtual Personal Assistant

8. Online Fraud Detection

9. Stock Market trading

10. Medical Diagnosis

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11. Automatic Language Translation

Fields of AI:

1) Machine Learning

2) Deep learning

3) Neural Networks

4) Cognitive Computing

5) Natural Language Processing

6) Computer Vision