**ASSIGNMENT 1**

1. How and where is facebook using Machine learning to improve user experience?

Answer: Facebook uses a lot of algorithms based on Machine learning:

* Shows ads of things that we have recently searched.
* Accesses the contact list to give us the list of “People you may know”.
* Recognizes people from their profile pictures and suggests us their names when we upload any images.
* Identifies our close friends and shows their names only on a 10 plus likes picture.
* If you search for someone, it immediately saves the data and the next time you login you’ll see them in your suggestion notifications.

2. How do you think deep learning can change the world and do wonders?

Answer: Deep learning just as its name describes itself is a deep sea of machine learning. It comes under machine learning but it holds a vast future itself. A human brain is the most functional thing on this earth and wouldn’t it be surprising if we would be able to train our machines in a way that they perform the required task without any human help followed by leaving the humans completely at peace. Emotions and feelings are things that raise a point of difference in humans and no wonder in a short span of time, machines will have feelings and emotions as well. This field of artificial intelligence is needed when machines are required to perform tasks that typically require human intelligence.

3. What is your dream AI project that can become into reality and can have a commercial value? Justify your answer.

Answer: My dream AI project is an attendance marker. When a student will enter a class, the attendance will automatically be marked as he steps in and if he tries to bunk the class, the siren will beep and he’ll automatically be marked absent again, this way there will be no concept of proxy or fake attendance or human errors.