GITHUB:

* Linus torvald developed the github.
* Git is a global information tracker.
* It tracks the software/files in a software development project.
* It was designed for tracking files, version control.
* Github is a platform which uses git.
* In git bash:

1) git init : it is used to create a builtin folder for git.

2)git add : to add files

3)git commit -m “” : used to apply the changes

4)git config –global user.name : add the user name here and add email .

5)git branch -m “” : it is used to branch a new one

6)git remote add origin http://.... : it is used to add the repository address.

7) git remote -v : it is used to check the origin

8) git push origin main : push the files into the repository.

**Machine Learning :**

* Machine learning learns itself from the previous data that is larger and it learns from the data.
* Since the dawn of the time of 2005 ,humans had used 130 exabytes of data and in 2020 ,humans used 40900 exabytes.
* It improves performance from experiences and predict things without being explicity programmed.
* A machine has the ability to learn if it can improve its performance by gaining more data.
* **Work flow :::::: Input past data** ----training--> **machine learning algorithm and learn from data** -----> **Building logical models** ------> (we can add new data here)**Output.**
* It is much similar to data mining but here we deal with the data statistics.
* Supervised Learning:::

There are two types of algorithms :

1)classification.

2)regression.

* The machine learning life cycle:

1)gathering the data.

2)data preparation.

3)data wrangling.

4) data analyse.

5)train model.

6) test model.

7)Deployment.