Data Analyst & Data Science Life cycle

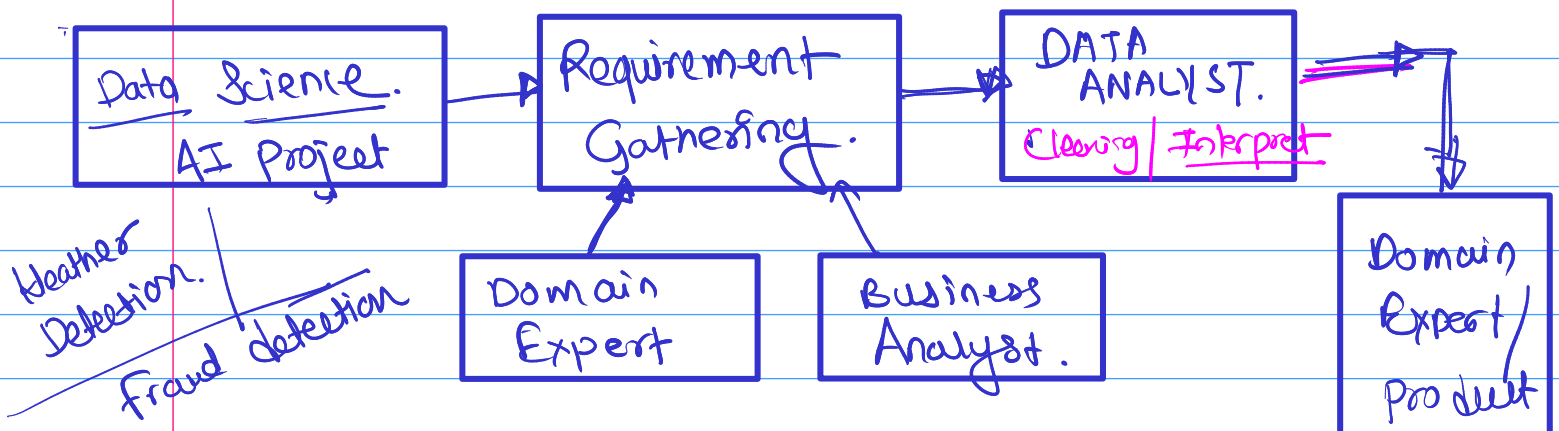
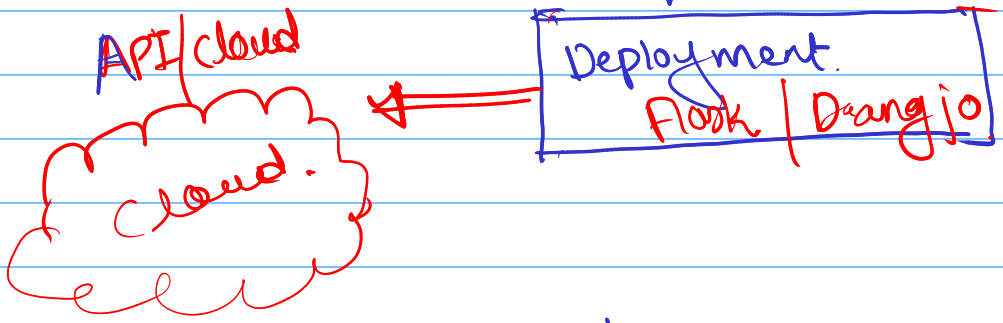


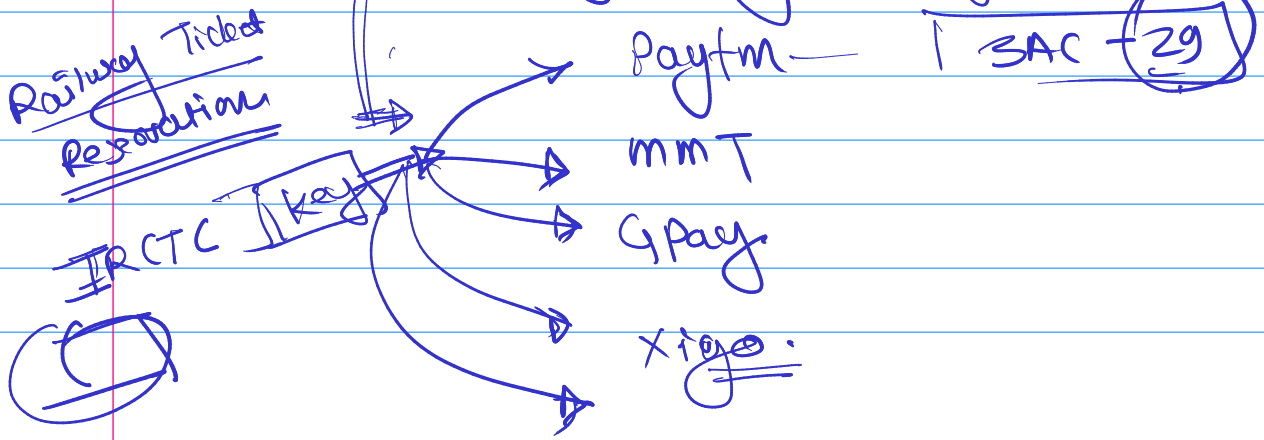
Table data (ML) Machine Learning

Image/video (DL) Deep learning.

Text data (NLP) Natural Language Processing.



Application Programming Interface.



Data Analyst Life Cycle

Roll No	Name	Age	mo no	Gender
—	—	—	—	

Blank

Null

Row Data

↓

Data cleaning ⇒ Null Value / Drop / Delete / Replace.

↓

Feature Engg.

Add / Remove feature.

House price	Room	sq feet	Bedroom
↑	↓	↑↓	↑↓

~~no. of children~~ no. of family

↑

Name	Roll No	Age	City	Age-group
1000 people		20		Teen
		21		Adult
		31		Teen
		41		Senior
		45		old age.
		80		

EDA Exploratory Data Analysis.

↓

Reporting ⇒ Graphs

1. Python → R language
2. Excel
3. Power BI → Tablue

Stake Holder / Project owner

① Statistics → Descriptive / Inferential.

DA

Concept

DS → math

↳ 15-days

② Excel → DA → 1 month

③ Power BI → 1 month

④ Python - Programming → 2 month

⑤ MySQL Database → 1 month

6 month

Intern → Project (Portfolio Projects)

6 month

1 year

Experience Certificate

① Linked In ② Github

Account.

Statistics

:→ It is a branch of mathematics that involve collecting, Analysing, Interpreting and presenting data.

:→ It provide tools and methods to understand and make sense of large amount of data.

:→ Business ⇒ To identify Behaviour.

:→ medical :

:→ Government :→ Ladli Bal.

:→ Environment.

Data :→ fact or pieces of Information.

Type of Statistics

① Descriptive

It deals with the collecting, organising, Analysis, Interpretation and presenting the data.

② Inferential

It deals with making a conclusion and prediction about population data based on sample data.