

Mlops

Machine learning operations.

Devops

Development operations.

operation

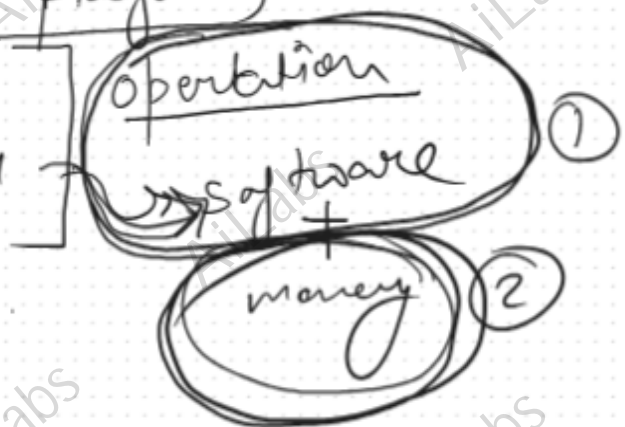
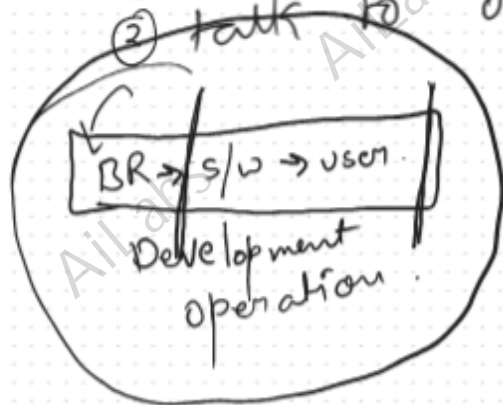
↳ implement

of a BP in r/w

operation Research / ring mt

Ex - wedding (online platform)

- ① see other user
- ② talk to other



s/w

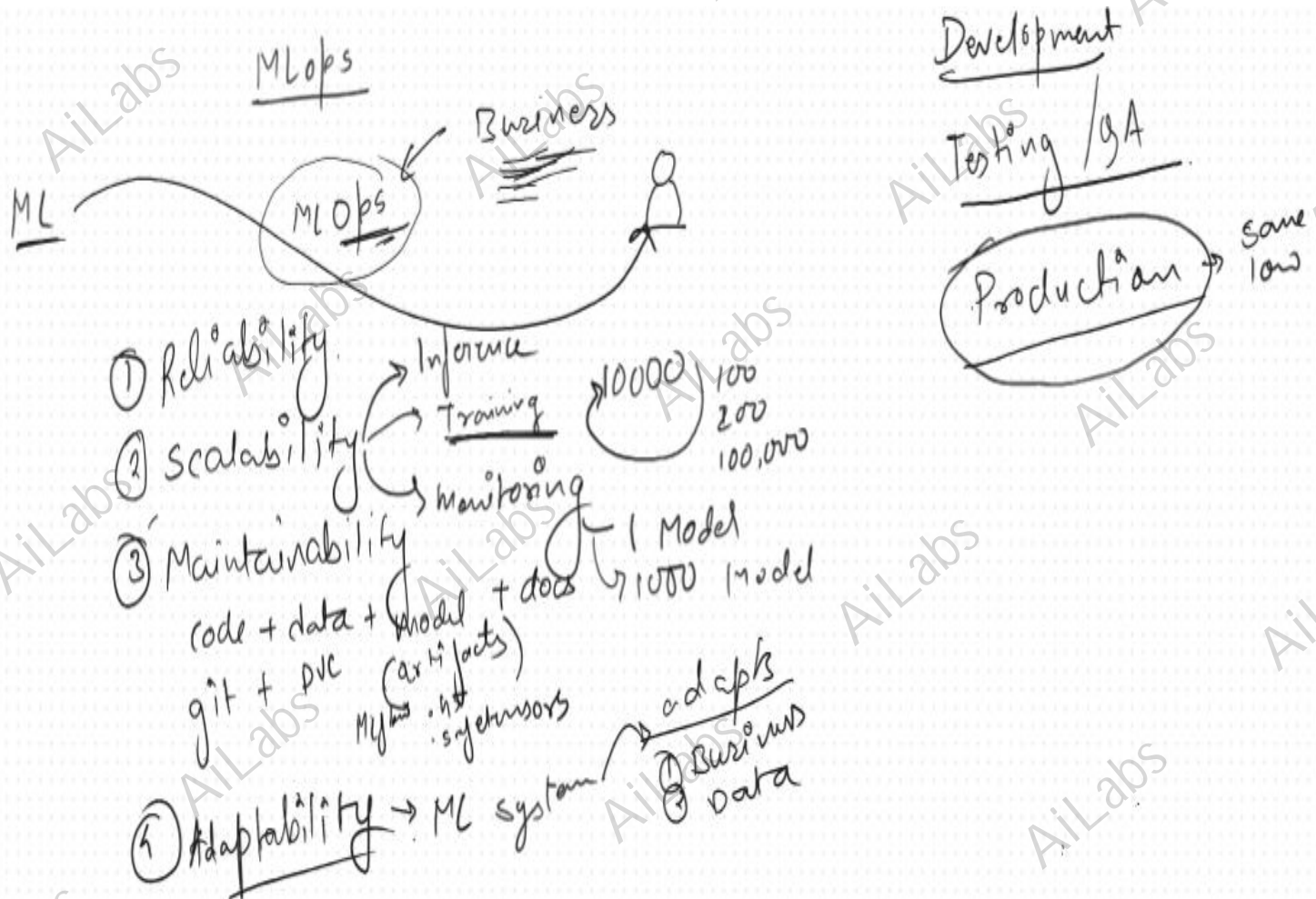
Devops



- ① servers

- ② s/w deply in a server

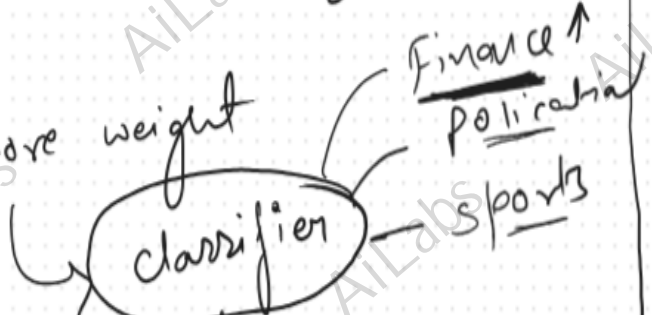
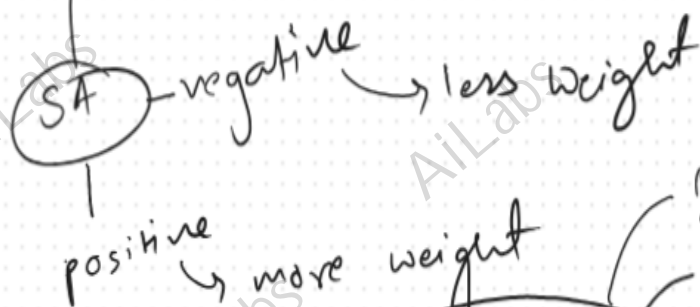
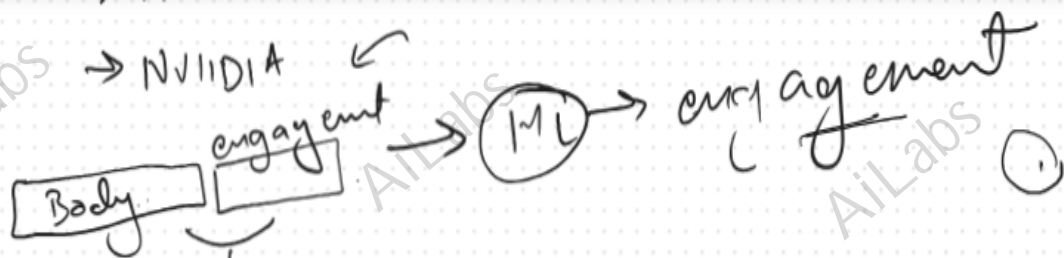
↳ running s/w system so that users can use it



## Framing ML

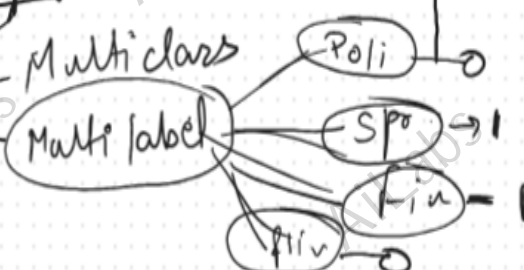
- ① To give users most engaging news

→ NVIDIA 120%, 40%



- classification

- regression →



Political Sports Finance Firm

News

- increase my engagement
- good quality

loss/objective function

loss  $a: 0.2 \quad b: 0.8$

$a \times \text{engagement} + b \times \text{quality}$

## Life cycle of ML model



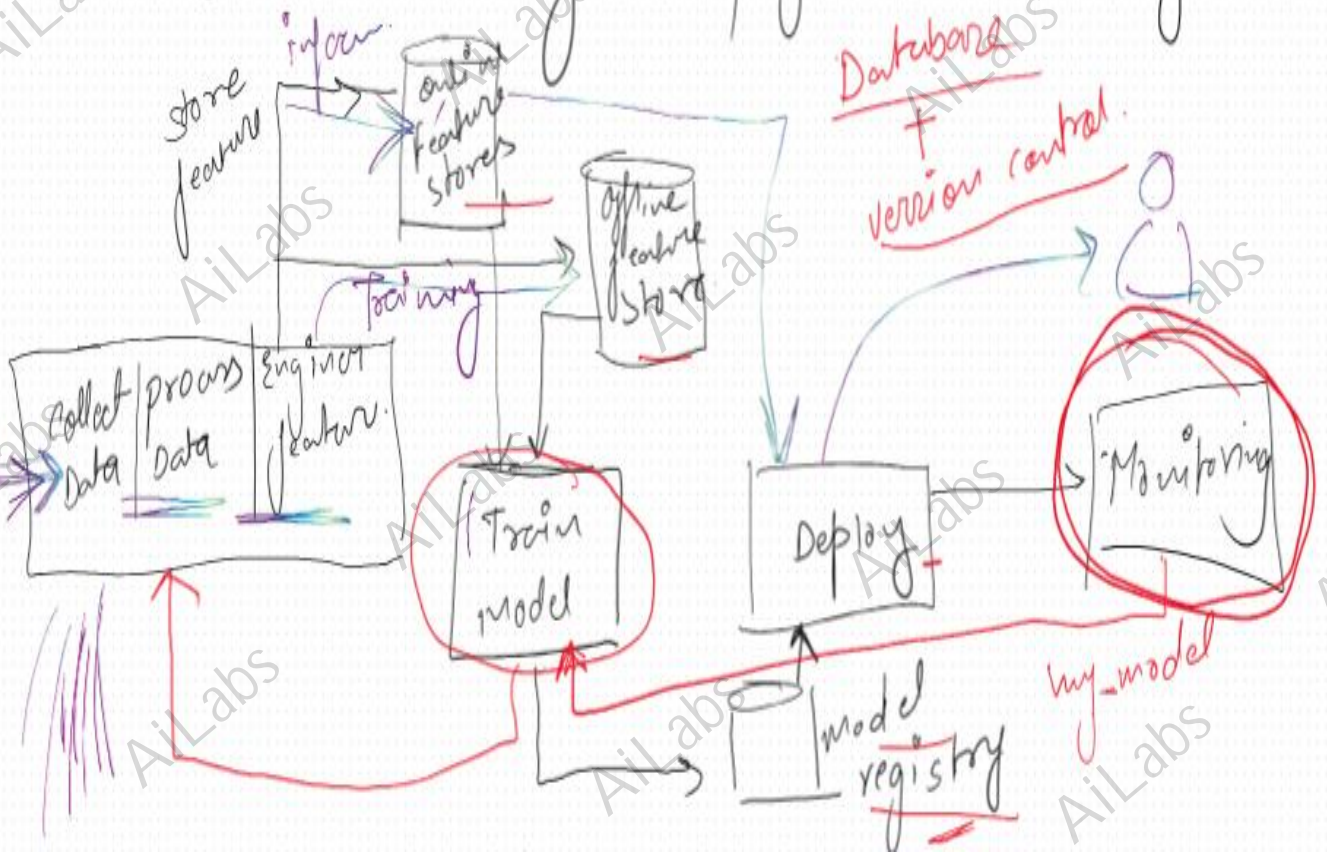
## Framing ML

- ① criteria for successful outcome
- ② observable + quantifiable metric
- ③ stakeholders



- ④ Do I need AI
- ⑤ Data sourcing + Data Annotation
- ⑥ Bigger is not Better.

Produce Data      Modelling      Deployment      Monitoring.



04/06/25 → my-model  
 07/06/25 → my-model-v2

### Feature store

- ① reduces duplication and reuse of feature engineering code across team.
- ② online feature → fast real-time
- ③ offline store → history → change