# Topics to revise:

1) Random\_state

2) How to drop row and column in pandas?

3) What is cross-validation and why it is important

4) Difference between precision and recall

5) Curse of dimensionality?

6) Weight initilization

7) Activation functions of ANN specially Sigmoid, Softmax, Relu, Leaky Relu, P Relu amd Linear

8) Loss functions of ANN (Regression and classification) and CNN learn formulas of MAE and MSE

9) weight initilzer

10) Sincrely study 'Working process of DL' noteboo

11) eigen vectors and eigen values

12) Silhoutter score

13) SVM

14) Decision Tree Regresso

15) Bagging and boosting and their all algorithms specially soft voting and hard voting

16) SQL all functionse (clause)

17) Perceptron

18) Whole Statistics along with defination

19) Study all questions sincerely from 'ML interview question' notebook

20) Why we standardize and not normalize dataset before PCA

21) Cumulative Sum

22) Study techniques to reduce overfitting in machine learning (ML) and deep learning (DL), as well as the parameters and techniques to reduce overfitting in specific ML models.

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# Note:

1) We can use weight initilizer in every layer in CNN and in ANN if we want

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# Things to do:

1) Make heart failure prediction, X-Ray recognization and multi-class classification projects on CNN

2) Make a seprate notebooks parameters of Ml, ANN and CNN models

3) Make all jupyter notebooks of DL after then proceed further otherwise not.

4) Make CV by watching saved youtube videos

5) After completing course first thing is to do is start applying for jobs and internships on internshala, linkedin, naukri and do revision of all topics side by start with SVM

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# Future Palns

1. Make youtube channel and start uploading videos of Travelling Vlogs, Food Vlogs, Festival Vlogs, Food Receipe videos, Data Science related videos and postcasts.
2. Start my own company of data science where we can get projects from international clients as well as from domestic clients, but more focus on international clients.

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# Career Tips

1) First focus on job and try to apply for work from office jobs and in starting of career 3-4, only focus on learning by experiences of other collegues and make good connection with other collueges specially with seniors

2) Always aim that package is 2.5X to number of years. Eg: Starting package is 5L, so 5L X 2.5= 12.5 L Package after 5 years.

3) Do freelancing: Make a team and get data science projects from client and start working on it. Income will generate in dollars.

4) Start teaching in online institute like ekeeda or any other platform

5) In job switch always remember that get 30% hike on currently salary. Current is 1 L so demand alteast for 30% hike and salary will be 1 L 30 K. Demand for 60-70% hike and last 14% and median 30%. Don’t accept less than 14% because it is ideally salary hike %age in industries.

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# Can’t do this things while working in a company

1) Moon lighting: means while working in a company don’t work on projects of competitive companies and don’t share any working material of existing company with them. Eg: You work for TCS and doing freelancing projects of infoysis other freelancing is fine.

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# Interview Tips

1) Always on camera during interview this makes confidence to interviewer that you are not cheating from google or ChatGPT.