**The Playlists for Sub Topics:**

Basics of Python:

* [Python](https://www.youtube.com/watch?v=_uQrJ0TkZlc): Watch till 3:36:00
* [Numpy](https://www.youtube.com/watch?v=QUT1VHiLmmI)
* [Pandas](https://www.youtube.com/watch?v=vmEHCJofslg)
* [Matplotlib](https://www.youtube.com/watch?v=wB9C0Mz9gSo)
* [Seaborn](https://www.youtube.com/watch?v=6GUZXDef2U0&t=1745s)

Introduction to Machine Learning:

For those who are already familiar with python and its libraries, you can go ahead with this week’s content.

* Theory
  + [Supervised Learning](https://www.coursera.org/learn/machine-learning?specialization=machine-learning-introduction)
  + [Advanced Learning Algorithms](https://www.coursera.org/learn/advanced-learning-algorithms?specialization=machine-learning-introduction)

Apply for financial aid for these courses and while applying the courses audit the course for free. Watch all of these videos at 2x (no need to compete the assignments).

* + [Supervised Learning and Unsupervised Learning](https://www.coursera.org/learn/machine-learning?specialization=machine-learning-introduction): For those who prefer reading over watching videos, you can skip the unsupervised part for now, as it is not needed for this project. However, you are free to explore it if you have sufficient time.
* Code
  + [Machine Learning Algorithms](https://www.youtube.com/watch?v=i_LwzRVP7bg) : The datasets and Google Colab files are provided in the description. Try implementing them or exploring them on your own.

The OG Playlist:

[**Andrew Ng's Machine Learning Course (Coursera)**](https://www.coursera.org/learn/machine-learning)

[**Deep Learning Specialization (Coursera)**](https://www.coursera.org/specializations/deep-learning)

Relevant IITB Course Material:

<https://www.cse.iitb.ac.in/~swaprava/cs217240_2024.html>

More tutorials to Follow:

<https://youtu.be/QUT1VHiLmmI?si=oKhXztbOCh1bpJkn>

<https://youtu.be/2uvysYbKdjM?si=Ow8hL74uEfbaJ0dz>

<https://youtu.be/3Xc3CA655Y4?si=-ur9UCkiG0-plRjW>

<https://youtu.be/W01tIRP_Rqs?si=4XRRfMxNuqgXVMdU>  
  
Best Websites for Tutorials:

[W3Schools Online Web Tutorials](https://www.w3schools.com/)

[GeeksforGeeks | Your All-in-One Learning Portal](https://www.geeksforgeeks.org/)