Define Goal : PRODUCTS or ALGORITHMS

1. **Maths**
    - Linear Algebra (Matrix, Vector)
    - Statistics
    - Probability
2. **Learn Python & its Libraries**
    - Numpy
    - Pandas
3. **Learn ML Algorithms**
    - Supervised vs Unsupervised vs Reinforcement
    - Linear Regression, Logistic Regression, Clustering
    - KNN (K Nearest Neighbours)
    - SVM (Support Vector Machine)
    - Decision Trees
    - Random Forests
    - Overfitting, Underfitting
    - Regularization, Gradient Descent, Slope
    - Confusion Matrix
4. **Data Preprocessing (for higher accuracy)**
    - Handling Null Values
    - Standardization
    - Handling Categorical Values
    - One-Hot Encoding
    - Feature Scaling
5. **Learn ML libraries**
    - Scikit learn
    - Matplotlib
    - Tensorflow for DL
6. **Practice, Practice, Practice (Kaggle)**

***Explore projects on Github**

Resources :

1. **http://www.maths.qmul.ac.uk/~pjc/notes/linalg.pdf (Maths)**
2. **https://www.mathsbox.org.uk/twi/astats.pdf (Maths)**
3. **https://www.youtube.com/playlist?list=PLLy_2iUCG87D1CXFxE-SxCFZUiJzQ3lvE (Maths)**
4. **https://developers.google.com/machine-learning/crash-course (ML by Google)**
5. **https://www.datacamp.com/courses/intro-to-python-for-data-science (Python Basics)**
6. **https://www.coursera.org/learn/machine-learning (Stanford Course by Andrew ng)**
7. **https://madewithml.com/**
8. **https://www.javatpoint.com/data-preprocessing-machine-learning (Data Preprocessing)**
9. **https://scikit-learn.org/stable/ (Scikit Learn)**
10. **https://www.tensorflow.org/ (Tensorflow)**
11. **https://www.kaggle.com/ (Kaggle)**