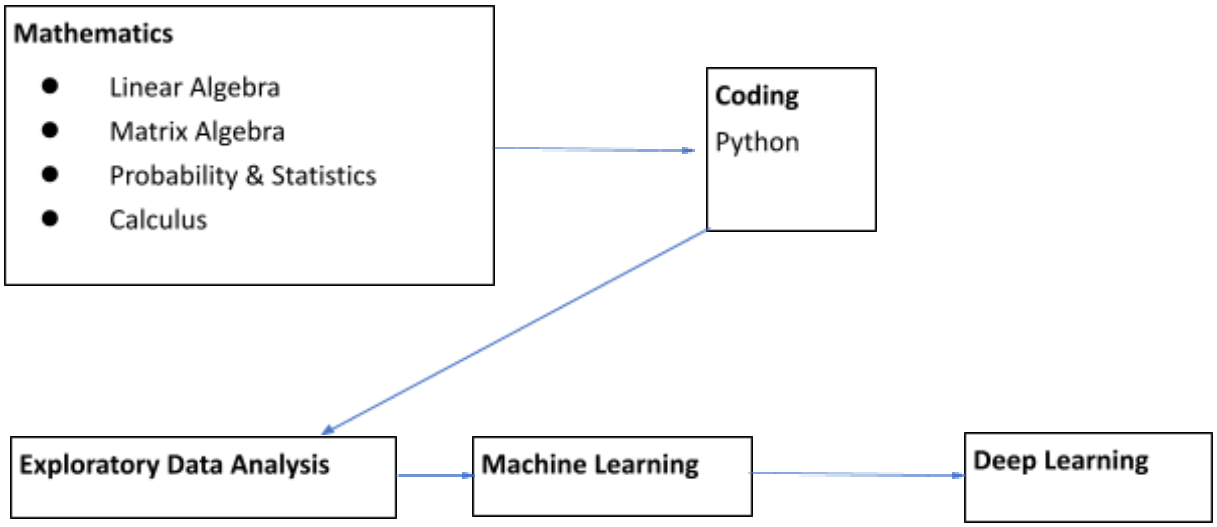
Machine Learning Engineer Roadmap



Mathematics:

- Imperial College London
  Mathematics for Machine Learning Specialization
  https://www.coursera.org/specializations/mathematics-machine-learning?irclickid=Xp9XWgWp8xyPW8IWaNRm41zsUkH2m90d:WhiSo0&irgwc=1&utm_medium=partners&utm_source=impact&utm_campaign=4863057&utm_content=b2c#courses

- Linear Algebra
  https://ocw.mit.edu/courses/18-06-linear-algebra-spring-2010/pages/study-materials/

- Matrices
  https://www.khanacademy.org/math/algebra-home/alg-matrices

- Statistics and Probability
  https://www.khanacademy.org/math/statistics-probability

- Differential Calculus
  https://www.khanacademy.org/math/statistics-probability

Machine Learning

- Supervised Machine Learning for beginners
  kick start your machine learning journey with supervised learning for beginners, python, jupyter and scikit-learn!
  https://www.udemy.com/course/supervised-machine-learning-for-beginners/?utm_source=adwords&utm_medium=udemyads&utm_campaign=DSA_Catchall_la.EN_cc.INDIA&utm_content=deal4584&utm_term=_._ag_82569850245_._ad_533220805574_._kw__._de_c_._dm__._pl__._ti_dsa-841699839303_._li_9061980_._pd__._&matchtype=&gad_source=1&gclid=Cj0KCQiAnfmsBhDfARIsAM7MKi08r1L5SruGSJX2ytmOWpu9IBxnsnsjX-uVUuXWvKitkp8zbzPTtXgaAiXaEALw_wcB
- Unsupervised Learning, Recommenders, Reinforcement Learning
  https://www.coursera.org/learn/unsupervised-learning-recommenders-reinforcement-learning

- Machine Learning Algorithms
  https://www.coursera.org/learn/machine-learning-algorithms

Youtube:

- Krish Naik: https://www.youtube.com/@krishnaik06
- Sentdex: https://www.youtube.com/@sentdex
- 3Blue1Brown: https://www.youtube.com/@3blue1brown
- freeCodeCamp: https://www.youtube.com/@freecodecamp
- DeepLearning.AI: https://www.youtube.com/@Deeplearningai
- StatQuest with Josh Starmer: https://www.youtube.com/@statquest

Blogs:

- Medium: Towards Data Science: https://towardsdatascience.com/machine-learning/home
- LearnOpenCV: https://learnopencv.com/

Courses:

- The Data Science Course: Complete Data Science Bootcamp 2024

Complete Data Science Training: Mathematics, Statistics, Python, Advanced Statistics in Python, Machine & Deep Learning

https://www.udemy.com/course/the-data-science-course-complete-data-science-bootcamp/?start=0#overview

- Python for Machine Learning & Data Science Masterclass

  Learn about Data Science and Machine Learning with Python! Including Numpy, Pandas, Matplotlib, Scikit-Learn and more!

  https://www.udemy.com/course/python-for-machine-learning-data-science-masterclass/?start=0#overview

- Stanford University

  Algorithms Specialization

  https://www.coursera.org/specializations/algorithms?irclickid=Xp9XWgWp8xyPW8IWaNRm41zsUkH2m51V:WhiSo0&irgwc=1&utm_medium=partners&utm_source=impact&utm_campaign=4863057&utm_content=b2c#courses

- Machine Learning Engineering for Production (MLOps) Specialization

  https://www.coursera.org/specializations/machine-learning-engineering-for-production-mlops?irclickid=Xp9XWgWp8xyPW8IWaNRm41zsUkH2m5wZ:WhiSo0&irgwc=1&utm_medium=partners&utm_source=impact&utm_campaign=4863057&utm_content=b2c#courses

Books

- Deep Learning
  An MIT Press book
  Ian Goodfellow and Yoshua Bengio and Aaron Courville
  https://www.deeplearningbook.org/

- Pattern Recognition and Machine Learning
  Book by Christopher Bishop
  https://www.microsoft.com/en-us/research/uploads/prod/2006/01/Bishop-Pattern-Recognition-and-Machine-Learning-2006.pdf