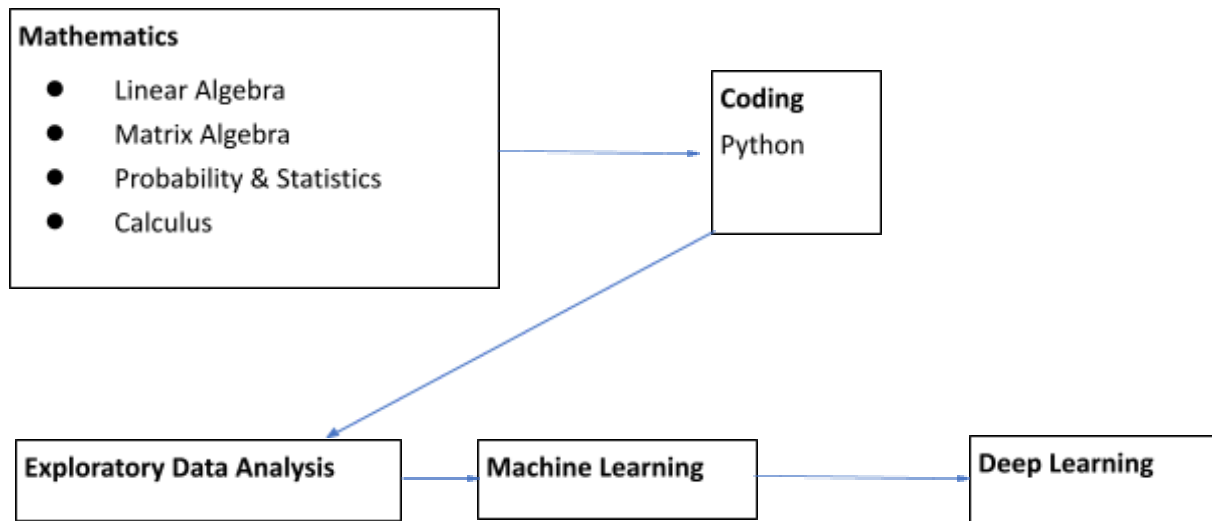


Machine Learning Engineer Roadmap



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=Cj0KCOiAnfmsBhDfARIsAM7MKi08r1L5Sr uGSIX2ytmOWpu9IBxnsnsjX-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=Xp9XWgWp8xyPW8IWRm41zsUkH2m51V: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=Xp9XWgWp8xyPW8IWRm41zsUkH2m5wZ: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>