Free Al Courses Learn All Essential Technologies

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## Programming Language

1. Python:-

https://www.mygreatlearning.com/academy/learn-for-free/courses/artificial-intelligence-with-python

2. R Programming: https://www.codecademy.com/learn/learn-r

### Mathematical Foundation

- 1. Linear Algebra: https://www.coursera.org/learn/linear-algebra-machine-learning
- 2. Probability & Statistic:

https://www.coursera.org/learn/machine-learning-probability-and-statistics

- 3. Calculus: https://www.coursera.org/learn/machine-learning-calculus
- 4. Discrete Maths:-https://youtu.be/p2b2Vb-cYCs?si=0ptOhRf6eVyNuDus

## **Data Handling**

1. Pandas

https://youtube.com/playlist?list=PLEt4gT\_dNBREyKgqdj0o-W5FHXHPOPu6m&si=PKLaJfwhcLclp0f K

- 2. Numpy:-https://youtu.be/GPVsHOIRBBI?si=05pHzrxurN\_NL\_wV
- 2. SQLite:-https://youtu.be/byHcYRpMgI4?si=HI4O2OXIrcKbFrLW
- 3. MongoDB:-https://youtu.be/c2M-rlkkT5o?si=vyDbrFqB0ziYADbQ

### Machine Learning Libraries

- 1. Scikit-Learn: https://youtu.be/0B5eIE\_1vpU?si=b8z-rUhH4mP5O4H
- 2. Tensorflow:-

https://www.youtube.com/watch?v=tPYj3fFJGjk&pp=ygUQTGVhcm4qVGVuc29yZmxvdw%3D%3D

3. Pytorch:

https://www.youtube.com/watch?v=V\_xro1bcAuA&t=10s&pp=ygUNTGVhcm4gUHl0b3JjaA%3D%3D

### Deep Learning And Neural Networks

- 1. Deep Learning:- https://lnkd.in/gv\_69aKH
- 2. Computer Vision: https://lnkd.in/ghfGSPra

### Al Development and Deployment

- 1. Google AI Platforms: https://lnkd.in/gKBtZ3Y2
- 2. Azure Al Studio :- https://lnkd.in/gWaT8b7T

### Visualisation Tools

- 1. Matplotlib :- https://lnkd.in/gVtZc7Tc
- 2. Seaborn :- https://lnkd.in/gU9JeDUi

# 3. Plotly:-https://lnkd.in/gXwkFYyW

## Natural Language Processing

Intro To NLP: https://lnkd.in/gF8E-Gkg

Text Classification: https://lnkd.in/gCxCch5H
NLP With Python: https://lnkd.in/gptQ4K\_R

## **Computer Vision**

- 1. CV Essentials: https://lnkd.in/gkuQwR6y
- 2. Intro to CV and Image Processing: https://lnkd.in/gHzmAvYA
- 3. CV With Tensorflow: https://lnkd.in/gvC34\_sh
- 4. CV Basics: https://lnkd.in/gBXiihAA

## Reinforcement Learning

- 1. Reinforcement Learning with Python: https://lnkd.in/gfmBKeAB
- 2. Reinforcement Learning Specialization: https://lnkd.in/gXwzFiH
- 3. Reinforcement Learning in 3 Hours: https://lnkd.in/gjnjkyhd

#### Ethics In Al

Ethics of AI: https://lnkd.in/dzqxXch
AI Ethics: https://lnkd.in/g4CWgXMP
Ethics of AI/ML: https://lnkd.in/gfnx55qv

## Generative Adversarial Networks (GANs)

1. Intro to GAN: https://lnkd.in/ghkf3f7j

GAN: https://lnkd.in/gk7RsvUQ
GAN A-Z: https://lnkd.in/gce\_Hf7i

4. GAN Specialization: https://lnkd.in/dWKbKs2x

### Robotics and AI

- 1. Robotics and AI: https://lnkd.in/gUR2fSfZ
- 2. Process Automation :- https://lnkd.in/gR37br7K