

Practical Neural Networks From Scratch

Concepts, Techniques and Tools to Build Intelligent Systems

Module 0 Introduction

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Lets Know Each Other

Ali Samanipour

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Summary

A Technical Software Product Manager with strong knowledge and background in software engineering(Software Architecture, Software Technical Design & Software Development) and agile software development management, interested in working on decentralized blockchain-oriented (Specially Web3.0 DApps & Enterprise grade permission-based blockchain-oriented software), token economic-based (Tokenomics), financial technologies(Fintech), and smart IoT-based cyber-physical systems and applications.

Project(s)

Challenge(s)

Evaluation

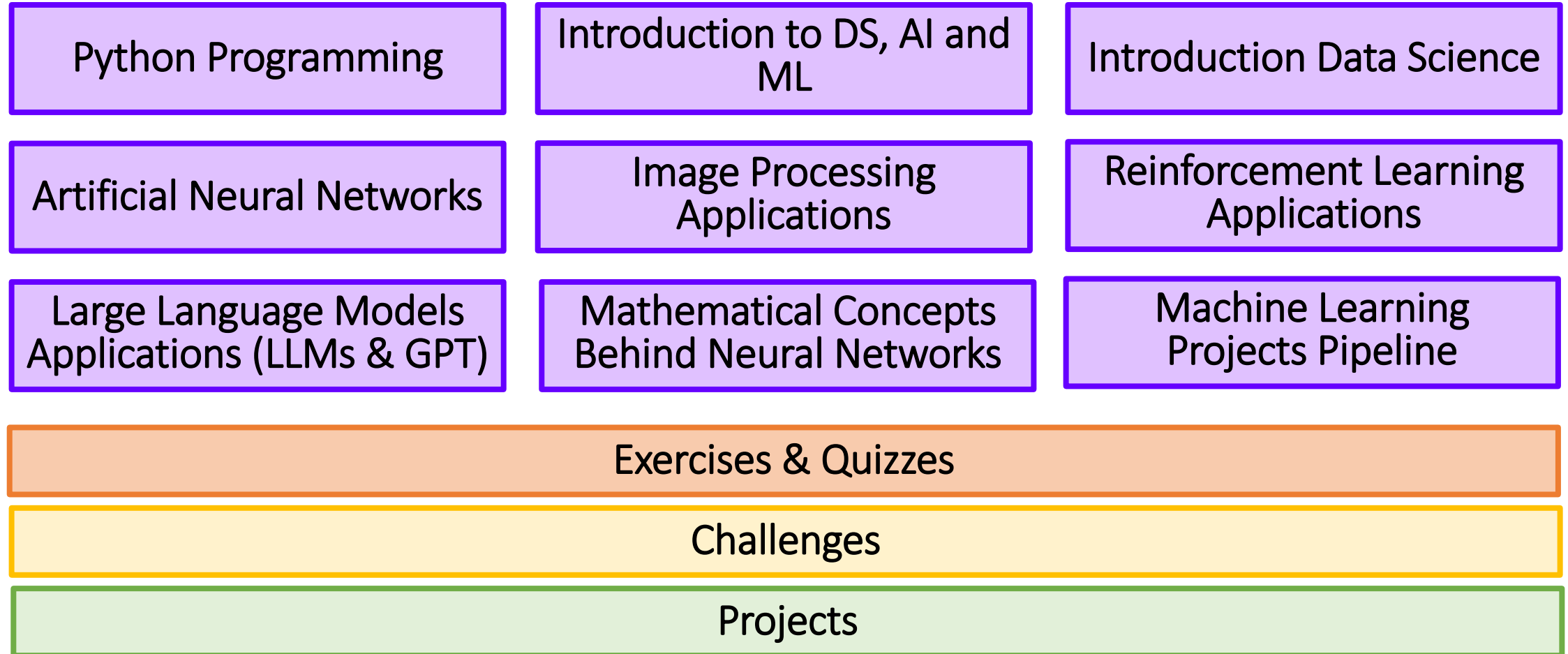
To pass : 75 / 100

To get certificate : 90 / 100

Exam!

Exercise

Course structure



Class Rules

**Learn by doing,
instead of read and
memorize**

**Collaborate and be
active**

**Everything
depends on you**



Course References

- [1] S. J. Russell and P. Norvig, *Artificial Intelligence: A Modern Approach*. Pearson, 2021.
- [2] T. Ghosh and S. K. B. Math, *Practical Mathematics for AI and Deep Learning: A Concise yet In-Depth Guide on Fundamentals of Computer Vision, NLP, Complex Deep Neural Networks and Machine Learning (English Edition)*. BPB Publications, 2022.
- [3] M. P. Deisenroth, A. A. Faisal, and C. S. Ong, *Mathematics for Machine Learning*. Cambridge University Press, 2020.
- [4] T. V. Geetha and S. Sendhilkumar, *Machine Learning: Concepts, Techniques and Applications*. CRC Press LLC, 2023.
- [5] A. Géron, *Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow: Concepts, Tools, and Techniques to Build Intelligent Systems*. O'Reilly Media, 2023.
- [6] O. Theobald, *Machine Learning for Absolute Beginners: A Plain English Introduction (Third Edition)*. Scatterplot Press, 2021.

Accessing Course Resource



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