Intro to Generative AI

Introductory Course

Goal:

understand how LLMs are constructed, used, tuned and customized

Requirements: Windows 10 or Linux Ubuntu with PyCharm Community Edition IDE with JetBrains Academy plugin installed

python 3.10 with

Curriculum:

Class 1 Transformers

Class 2 Self Attention and Multihead self-attention

Class 3 Tokenization and Decoding

Class 4 Graph attension networks

Class 5 Generative adversarial networks

Class 6 Reinforcement learning

Class 7 Model fine-tuning

Class 8 Model quantizing

Class 9 Continuous pre-training

the class source code is here [petacube/intro\_to\_python\_class (github.com)](https://github.com/petacube/intro_to_python_class)

available to students and content providers