Book

* Hands-On Graph Neural Networks Using Python: Practical techniques and architectures for building powerful graph and deep learning apps with PyTorch

Papers

* Week 1 - [The Essential Guide to GNN](https://cnvrg.io/graph-neural-networks/)
* Week 2 & 3- [A Gentle Introduction to Graph Neural Networks](https://distill.pub/2021/gnn-intro/)
* Week 4 & 5 – [PyG docs](https://pytorch-geometric.readthedocs.io/en/latest/)
* Week 6 - [BASICS OF GRAPH NEURAL NETWORKS](https://lightning.ai/docs/pytorch/stable/notebooks/course_UvA-DL/06-graph-neural-networks.html)
* Miniproject
* If time permits - [A\_Comprehensive\_Survey\_on\_Graph\_Neural\_Networks](https://arxiv.org/abs/1901.00596)
* Week 7 - [A Generalization of Transformer Networks to Graphs & Attending to Graph Transformers](https://arxiv.org/abs/2012.09699).
* Week 8 - [Graph Transformer Networks: Learning Meta-path Graphs to Improve GNNs](https://arxiv.org/abs/2106.06218)
* Week 9 - [Graph Transformer Networks](Graph%20Transformer%20Networks) & Miniproject
* Building Recommender System with GNN
* HIV detection in molecules using graphs
* [MOT using graphs](https://github.com/ifzhang/FairMOT)
* [CHATGPT INFORMED GRAPH NEURAL NETWORK FOR STOCK MOVEMENT PREDICTION](https://arxiv.org/abs/2306.03763)
* [A graph neural network-based stock forecasting method utilizing multi-source heterogeneous data fusion](https://link.springer.com/article/10.1007/s11042-022-13231-1)
* [Using Knowledge Graphs for Image Classification](https://arxiv.org/abs/1612.04844)
* [Exploring Graph Neural Networks for Stock Market Predictions with Rolling Window Analysis](https://arxiv.org/abs/1909.10660)
* [The GFlowNet Tutorial](https://milayb.notion.site/The-GFlowNet-Tutorial-95434ef0e2d94c24aab90e69b30be9b3)

https://github.com/thunlp/GNNPapers/blob/master/README.md