Materials for ML/AI/DS self-study

Compiled by github.com/aminakhmetov

1. An online boot camp for those who wants to general directions, tools and tricks used in ML
https://github.com/DataTalksClub/machine-learning-zoomcamp

2. Leetcode – a platform with coding questions useful not only for software engineers, but also for data scientist and ml engineers.
Start from https://leetcode.com/explore/learn/card/the-leetcode-beginners-guide/ and continue with https://leetcode.com/studyplan/top-100-liked/

3. On the insides of transformers design.
https://twitter.com/rasbt/status/1715718344442015802

4. State of AI Report 12 October 2023-10-27
https://twitter.com/nathanbenaich/status/1712358033194688701

5. A book by by Simon J.D. Prince on Deep Learning:
https://udlbook.github.io/udlbook/ -- text and colab examples

6. Explanation about self-attention
https://x.com/akshay_pachaar/status/1707372318773956732?s=20

7. Non-engineers guide: Train a LLaMA 2 chatbot
https://huggingface.co/blog/Llama2-for-non-engineers

8. A portal to learn DataScience : Kaggle Learn
https://www.kaggle.com/learn

9. Quote from Jeremy Howard Co-founder: @FastDotAI : "90 minute tutorial, which is designed to be the one place I point coders at when they ask "hey, tell me everything I need to know about LLMs!"
https://twitter.com/jeremyphoward/status/1705883362991472984
https://www.youtube.com/watch?v=jkrNMKz9pWU&feature=youtu.be

10. Stanford course on LLM
https://stanford-cs324.github.io/winter2022/

11. 3 top @GitHub repos for cracking Data Science interviews:
https://twitter.com/TheTuringPost/status/1620943297878401024 -- cites 3 sources:
- https://github.com/alexeygrigorev/data-science-interviews
- https://github.com/kojino/120-Data-Science-Interview-Questions
- https://github.com/khanhnamle1994/cracking-the-data-science-interview

12. From Zero to AI Research Scientist Full Resources Guide
https://twitter.com/DanKornas/status/1619065420778209280

https://github.com/ahmedbahaaeldin/From-0-to-Research-Scientist-resources-guide

13. Best books for DS
https://twitter.com/rasbt/status/1617310114922336258

14. Interview Warmup tool for preparing for an interview
https://grow.google/certificates/interview-warmup/

15. Conding Interview questions (in Russian)
https://github.com/vitkarpov/coding-interviews-blog-archive/tree/main/posts

16. Machine Learning Cheat Sheet Classical equations, diagrams and tricks in machine learning
https://github.com/soulmachine/machine-learning-cheat-sheet

17. Pen and Paper Exercises in Machine Learning (a lot of math)
https://arxiv.org/abs/2206.13446