

NLP + MLOps Learning Checklist (Free Resources)

NLP - Free Learning Resources

1. NLP Crash Course (YouTube - FreeCodeCamp):
<https://www.youtube.com/watch?v=8rXD5-xhemo>
2. NLTK and spaCy:
 - NLTK Docs: <https://www.nltk.org/>
 - spaCy 101: <https://spacy.io/usage/spacy-101>
3. Hugging Face Transformers:
 - Full Course: <https://huggingface.co/learn/nlp-course/>
4. Kaggle NLP Micro-Course:
 - <https://www.kaggle.com/learn/natural-language-processing>

MLOps - Free Learning Resources

1. Google's MLOps Guide:
<https://cloud.google.com/architecture/mlops-continuous-delivery-and-automation-pipelines-in-machine-learning>
2. MLflow Quickstart:
<https://mlflow.org/docs/latest/quickstart.html>
3. FastAPI for ML Deployment:
 - Docs: <https://fastapi.tiangolo.com/tutorial/>
 - YouTube: <https://www.youtube.com/watch?v=0sOvCWFmrtA>
4. Docker in ML:
<https://towardsdatascience.com/docker-for-machine-learning-why-and-how-to-use-it-2c2f514cf4c0>
5. GitHub Actions for ML CI/CD:
<https://github.com/marketplace/actions/train-and-deploy-ml-model>
6. Prometheus + Grafana Monitoring:

Bonus Resources

1. YouTube Channels:

- Krish Naik: <https://www.youtube.com/c/KrishNaik>
- CodeBasics: <https://www.youtube.com/c/codebasics>
- Bhavesh Bhatt: <https://www.youtube.com/c/BhaveshBhatt>

2. Coursera (Free via Audit Mode):

- NLP Specialization: <https://www.coursera.org/specializations/natural-language-processing>

3. Daily Reading:

- PapersWithCode: <https://paperswithcode.com>
- Hugging Face Models: <https://huggingface.co/models>
- MadeWithML: <https://madewithml.com>