**Code Sources:**

* [VGG16 and VGG19](https://keras.io/api/applications/vgg/)
* [Create your own Image Recognition Model using TensorFlow Keras API. - knowledge Transfer](https://androidkt.com/image-recognition-model-using-keras-api/)
* [CIFAR100 small images classification dataset](https://keras.io/api/datasets/cifar100/)
* [Keras ImageDataGenerator and Data Augmentation - PyImageSearch](https://www.pyimagesearch.com/2019/07/08/keras-imagedatagenerator-and-data-augmentation/)
* [Satellite\_Imagery\_Analysis/Unsupervised\_Learning\_in\_Satellite\_Imagery\_using\_Python.ipynb at main · syamkakarla98/Satellite\_Imagery\_Analysis · GitHub](https://github.com/syamkakarla98/Satellite_Imagery_Analysis/blob/main/code/Unsupervised_Learning_in_Satellite_Imagery_using_Python.ipynb)
* [syamkakarla98/Satellite\_Imagery\_Analysis: Implementation of Machine Learning and Deep Learning techniques to find insights from the satellite data.](https://github.com/syamkakarla98/Satellite_Imagery_Analysis)

**Articles:**

* [Unsupervised Learning in Satellite Imagery Using Python | by Syam Kakarla | Towards Data Science](https://towardsdatascience.com/unsupervised-learning-in-satellite-imagery-using-python-e2f48bb68b17)
* [Predicting | National Drought Mitigation Center](https://drought.unl.edu/Education/DroughtIn-depth/Predicting.aspx)
* [Water | Free Full-Text | Prediction of Severe Drought Area Based on Random Forest: Using Satellite Image and Topography Data | HTML](https://www.mdpi.com/2073-4441/11/4/705/htm)
* [A drought event composite analysis using satellite remote-sensing based soil moisture - ScienceDirect](https://www.sciencedirect.com/science/article/pii/S0034425717302729#s0010)
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* [Satellite‐based hybrid drought monitoring tool for prediction of vegetation condition in Eastern Africa: A case study for Ethiopia - Tadesse - 2014 - Water Resources Research - Wiley Online Library](https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2013WR014281)
* <https://scienceblog.eumetsat.int/2018/06/how-satellites-can-help-detect-impending-droughts/>
* [Flood Detection and Monitoring using Satellite Imagery with Python | by Syam Kakarla | Mar, 2021 | Medium](https://syamkakarla.medium.com/flood-detection-and-monitoring-using-satellite-imagery-with-python-5cd32157206c)

**Data:**

* [Sentinel Playground | Sentinel Hub](https://apps.sentinel-hub.com/sentinel-playground/?source=S2&lat=38.739088441876866&lng=-121.1407470703125&zoom=13&preset=CUSTOM&layers=B01,B02,B03&maxcc=97&gain=1.0&gamma=1.0&time=2016-04-01%7C2016-10-22&atmFilter=&showDates=false&evalscript=cmV0dXJuIFtCMDEqMi41LEIwMioyLjUsQjAzKjIuNV0%3D)
* [EarthExplorer](https://earthexplorer.usgs.gov/scene/metadata/full/5e7c4182eba11e53/LT50430332010203EDC00/)
* [Lake Levels in California, United States](http://www.lakelevels.info/USA/California/)