**India-specific Geospatial Datasets**

1. **IndiaSat Dataset (Pixel-level landcover classification)**
   * GitHub repo with dataset and code:  
     <https://github.com/ICTD-IITD/IndiaSAT>
   * Alternative: <https://github.com/ChahatBansal8060/IndiaSAT>  
     (Contains Landsat and Sentinel imagery with labelled landcover for India)
2. **NRSC Bhuvan Open EO Data (Satellite and Thematic Products)**
   * Open data archive landing page:  
     <https://bhuvan-app3.nrsc.gov.in/data/>
   * Free satellite data download and products:  
     <https://bhuvan.nrsc.gov.in/wiki/index.php/Free_Satellite_Data_Download>
   * Thematic LULC Atlas of India:  
     <https://www.nrsc.gov.in/Atlas_LULC>  
     (Download satellite imagery, land use/land cover maps, water/forest/agriculture data)
3. **VEDAS (ISRO Space Applications Centre) Data Downloads**
   * Official download page:  
     <https://vedas.sac.gov.in/en/download.html>  
     (Wetlands, land cover, and thematic geospatial datasets focused on Indian region)
4. **Sen-2 LULC Dataset (Sentinel-2 based Land Use Land Cover for India)**
   * Mendeley Data with 213,750+ images and masks for Indian central region:  
     <https://data.mendeley.com/datasets/f4ky6ks248/3>  
     (7 classes including water, dense forest, agriculture, built-up)

**Pretrained Model Weights for Transfer Learning**

1. **DeepLabV3 with ResNet-50 Backbone (PyTorch)**
   * Torchvision official pretrained weights download:  
     Use PyTorch Torchvision API or see docs:  
     <https://docs.pytorch.org/vision/main/models/generated/torchvision.models.segmentation.deeplabv3_resnet50.html>  
     (Official DeepLabV3-ResNet50 weights for segmentation)
2. **Segment Anything Model (SAM) Pretrained Weights**
   * Official SAM weights GitHub repo and direct links:  
     <https://github.com/facebookresearch/segment-anything>
   * Direct wget command for SAM-ViT-H weights:  
     wget https://dl.fbaipublicfiles.com/segment\_anything/sam\_vit\_h\_4b8939.pth  
     (Models ViT-B, ViT-L, ViT-H available)
3. **Other Pretrained Models for DeepLab or ResNet**
   * Qualcomm DeepLabV3 weights (HuggingFace):  
     <https://huggingface.co/qualcomm/DeepLabV3-ResNet50>
   * KerasHub pretrained weights collections:  
     <https://keras.io/keras_hub/presets/>  
     (Supports TensorFlow usage)