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| PROJECT TITLE | Project - Digital Naturalist – AI Enabled tool for Biodiversity Researchers |
| TEAM ID | PNT2022TMID00699 |

PROJECT STRUCTURE:

The screenshot displays a Jupyter Notebook environment. On the left, the 'EXPLORER' panel shows a project structure for 'DIGITAL NATURALIST'. The main editor area shows a Keras model definition in 'model_train.ipynb'.

Project Structure (EXPLORER):

- DIGITAL NATURALIST
 - augmented data
 - Bird
 - GIB_AUG
 - SPS_AUG
 - Flower
 - Corpae_AUG
 - LS_Orchid_AUG
 - Mammal
 - LS_Pangolin_AUG
 - SW_Deer_AUG
 - Digital Naturalist Dataset
 - Bird
 - Great Indian Bustard Bird
 - Spoon Billed Sandpiper Bird
 - Flower
 - Corpae Flower
 - Lady Slipper Orchid Flower
 - Mammal
 - Pangolin Mammal
 - Seneca White Deer Mammal
 - Flickr
 - Aug data.ipynb
 - final_model.h5
 - final_model.json
 - model_train.ipynb

Model Definition (model_train.ipynb):

```

max_pooling2d (MaxPooling2D (None, 110, 110, 256) 0
)

conv2d_1 (Conv2D) (None, 108, 108, 128) 295040

max_pooling2d_1 (MaxPooling (None, 54, 54, 128) 0
2D)

conv2d_2 (Conv2D) (None, 52, 52, 64) 73792

max_pooling2d_2 (MaxPooling (None, 26, 26, 64) 0
2D)

flatten (Flatten) (None, 43264) 0

dense (Dense) (None, 512) 22151680

...
Total params: 22,704,966
Trainable params: 22,704,966
Non-trainable params: 0

/usr/local/lib/python3.7/dist-packages/keras/optimizers/optimizer_v2/adam.py:110: UserWarning: The `lr` argument is deprecated, use
`learning_rate` instead.
  super(Adam, self).__init__(name, **kwargs)

#Fitting Model

```

The bottom status bar indicates the Jupyter Server is Local, Cell 43 of 69, and the system clock shows 16:48 on 16-11-2022.