PNT2022TMID50371

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 "execution_count": 1,
 "id": "236e5bbe",
 "metadata": {},
 "outputs": [],
 "source": [
  "from keras.preprocessing.image import ImageDataGenerator\n",
"train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=
True)\n",
  "test_datagen=ImageDataGenerator(rescale=1./255)"
 ]
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 "metadata": {},
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```
"name": "stdout",
  "output_type": "stream",
  "text": [
   "Found 15750 images belonging to 9 classes.\n"
  ]
  }
 ],
 "source": [
  "x\_train = train\_datagen.flow\_from\_directory(r'C:\Users\\conversation\ engine)
for deaf and dumb
(1)\\Dataset/training_set',target_size=(64,64),batch_size=300,class_mode='categorical',color_mode=\"g
rayscale\")"
 ]
},
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 "execution_count": 3,
 "id": "dca004cc",
 "metadata": {},
 "outputs": [
  {
  "name": "stdout",
  "output_type": "stream",
  "text": [
   "Found 2250 images belonging to 9 classes.\n"
  ]
  }
```

```
],
 "source": [
  "x\_test = test\_datagen.flow\_from\_directory(r'C:\Users\\schit\\Downloads\\conversation engine for
deaf and dumb
(1)\\Dataset\\test_set',target_size=(64,64),batch_size=300,class_mode='categorical',color_mode=\"gra
yscale\")"
 ]
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 "source": [
  "from keras.models import Sequential\n",
  "from keras.layers import Dense\n",
  "from keras.layers import Convolution2D\n",
  "from keras.layers import MaxPooling2D\n",
  "from keras.layers import Dropout\n",
  "from keras.layers import Flatten"
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 "cell_type": "code",
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"metadata": {},
"outputs": [],
"source": [
 "model = Sequential()"
]
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"cell_type": "code",
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"#no. of feature detectors, size of feature detector, image size, activation function"
]
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 "name": "python3"
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  "version": 3
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