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Configuring the Learning Process
Date: 08 November 2022
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Project Name: Emerging Methods for early Detection Of forest fire
'''import model building libraries'''
#to define linear initialisation import sequential
from keras.models import Sequential
#to add layers import Dense
from keras.layers import Dense
#to create Convolution kernel import Covolution2D
from keras.layers import Convolution2D
#import Maxpooling Layer
from keras.layers import Dense
from keras.layers import Convolution2D
#import Flatten Layer
from keras.layers import Flatten
#import maxpooling layer
from keras.layers import MaxPooling2D
import warnings
warnings.filterwarnings('ignore')
#initializing model
model=Sequential()
Adding CNN Layer
Task 1:
#add cnn layer
model.add(Conv2D(filters=32,kernel size=2,padding="same",activation
="relu"))
```

Model Building

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model.add(MaxPooling2D(pool size=2))
model.add(Conv2D(filters=64,kernel size=2,padding="same",activation="r
elu"))
model.add(MaxPooling2D(pool size=2))
Task 2:
#flattening layer
model.add(Flatten())
Task 3:
#Adding PoolingLayer
model.add(MaxPooling2D(pool size=(2,2)))
Adding Dense Layer
#adding DenseLayer
model.add(Dense(500,activation="relu"))
model.add(Dense(2,activation="softmax"))
print("Adding dense layer on top")
model.add(layers.Dense(64, activation='relu'))
model.add(layers.Dense(10))
print("Complete architecture of the model")
model.summary()
Configuring the Learning Process
#Configuring the learning process
model.compile(loss='binary crossentrophy',optimizer="adam",
metrices=["accuracy"])
```