# Automatic generated report CNET0053.

Author: Palomo Alonso, Alberto

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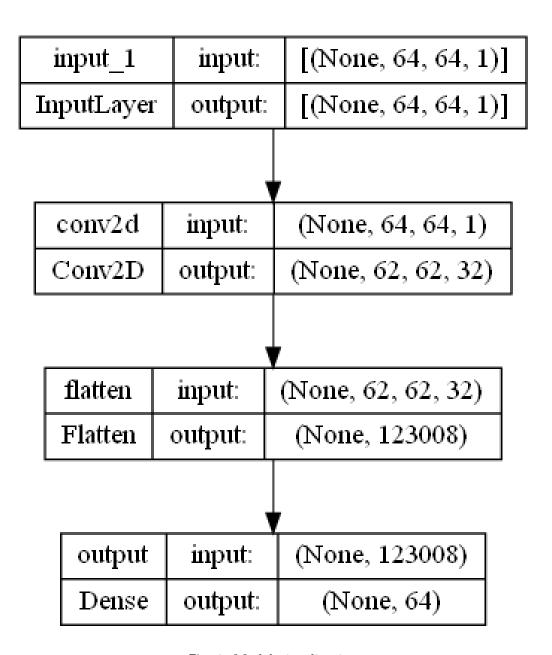


Fig. 1: Model visualization

## 1 Model

The model has been compiled successfully with the following parameters:

Layer	Shape	Attributes
Conv2D	(32, 3)	
Flatten	(None,)	

Tab. 1: Model architecture and attributes.

Layer type	Output Shape	Param #
input_1 InputLayer	[None, 64, 64, 1]	0
conv2d Conv2D	None, 62, 62, 32	320
flatten Flatten	None, 123008	0
output Dense	None, 64	7872576

## 1.1 Compiler

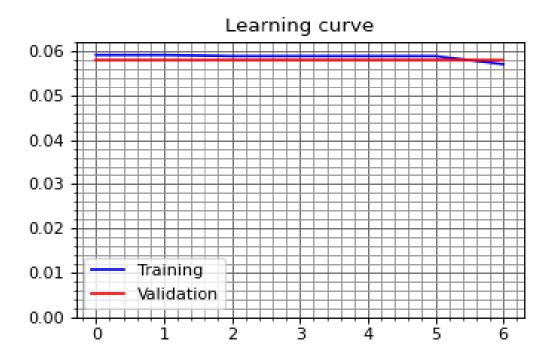
- Problem specifications. The input shape mesh is (64, 64, 1), while the output shape is (64).
- Compiling options. The model makes use of the mean squared error loss function and the adam optimizer. The metrics taken into account are accuracy and loss.
- Devices. The model was trained with 1GPUs.

#### 2 Database

The database wikipedia dataset was generated with BaseNetDatabase~(BND). The training - validation - test distribution is (0.6999036608863198,~0.15028901734104047,~0.1498073217726397) and the total size of the database is 16608.

### 3 Performance

The obtained learning curve is shown below. With maxloss: 0.0592, and minloss: 0.0571.



 $\ensuremath{\mathsf{Fig.}}$  2: Learning curve with the introduced database.