

Automatic generated report CNET0014.

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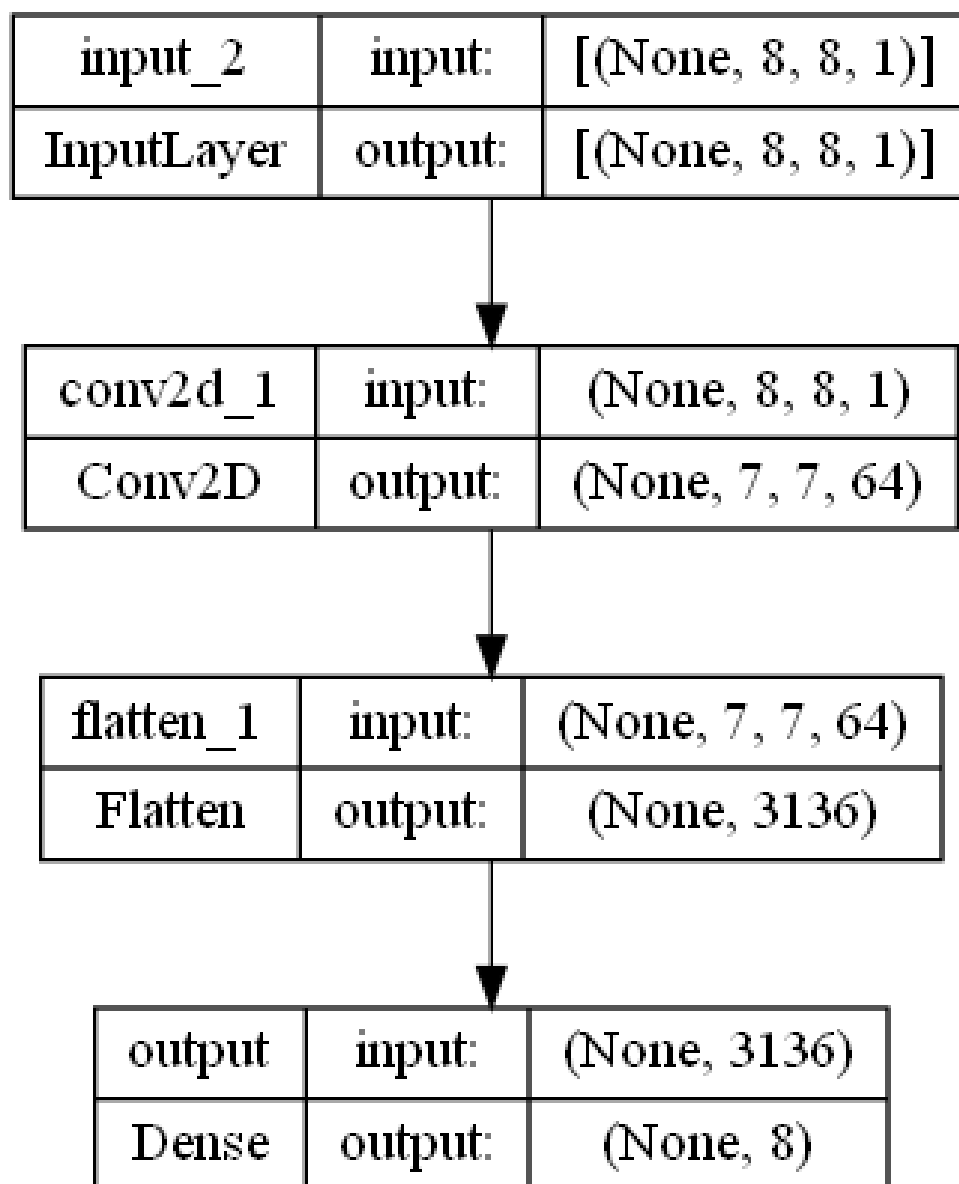


Fig. 1: Model visualization

1 Model

The model has been compiled successfully with the following parameters:

Layer	Shape	Attributes
Conv2D	(64, 2)	
Flatten	(None,)	

Tab. 1: Model architecture and attributes.

Model summary		
Model: "model"		
Layer type	Output Shape	Param #
input_2 InputLayer	[None, 8, 8, 1]	0
conv2d_1 Conv2D	None, 7, 7, 64	320
flatten_1 Flatten	None, 3136	0
output Dense	None, 8	25096
Total params: 25,416		
Trainable params: 25,416		
Non-trainable params: 0		

1.1 Compiler

- *Problem specifications.* The input shape mesh is $(8, 8, 1)$, while the output shape is (8) .
- *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 **32k 8t 0w 2c** was generated with *hypertrain*. The training - validation - test distribution is *'train': 70, 'validation': 20, 'test': 10* and the total size of the database is $(22938, 6554, 3276)$.

3 Performance

The obtained learning curve is shown below. With **maxloss**: ???, and **minloss**: ???.

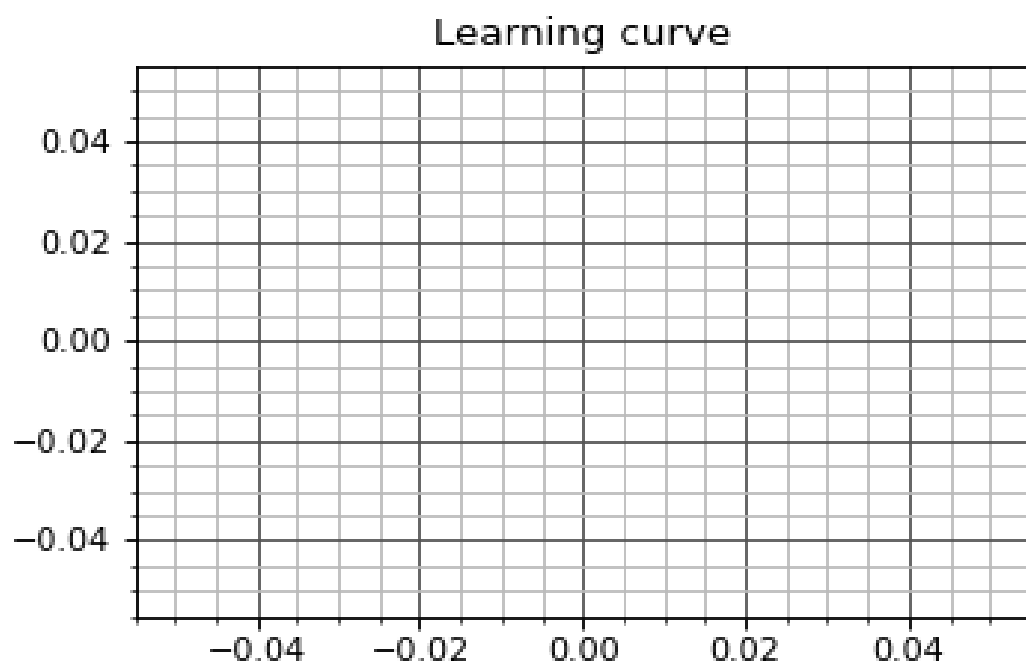


Fig. 2: Learning curve with the introduced database.