

# RESHAPING THE DATA

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Project Name	A Novel Method for Handwritten Digit Recognition System

## Reshaping the data:

- The used by the Deep learning neural network, the input for this network to get trained on should be of higher dimensional.
- The dataset is having three-dimensional images then reshape them too higher dimensions.

```
X_train = X_train.reshape(60000, 28, 28, 1).astype('float32')  
X_test = X_test.reshape(10000, 28, 28, 1).astype('float32')
```

- Reshaping the dataset because building the model using CNN.
- As CNN needs four attributes batch, height, width, and channels for reshape the data.

