**Conclusion**

In this work, I figured out what is deep learning. I assembled and trained the CNN model to classify photographs of cars and elephants. I have tested that this model works really well with a small number of photos. I measured how the accuracy depends on the number of epochs in order to detect potential overfitting problem. I determined that 10 epochs are enough for a successful training of the model.

My next step would be to try this model on more data sets and try to apply it to practical tasks. I would also like to experiment with the neural network design in order to see how a higher efficiency can be achieved in various problems.