Building Neural Networks from Scratch

Part 1

Luca WB

2026-01-08

Table of contents

1 Brief summary

The objective from this page to undestand how to implement a neural network from scratch without any external libraries. The main reason for this is just to make more compreensible the black box of Neural Networks. So, to this project, the main resource (but not the unique) are the series of videos from Andrej Karpathy. In this first part, I will cover how to implement AutoGrad for do backpropagation. At the end of this post, yo will cable of create MLPs without any external library.