GPT Mastery: A Comprehensive Guide To Crafting Your Own ChatGPT

Week 4

Let's move on to week 4 and continue exploring more about backpropagation

1.) Building makemore Part 4: Becoming a Backprop Ninja

In this session, we will manually backpropagate through a 2-layer MLP with BatchNorm without using PyTorch's `autograd`. We'll cover the entire process: from the cross entropy loss, through the second linear layer, tanh activation, BatchNorm, first linear layer, and the embedding table. This hands-on approach will provide a deep understanding of how gradients flow through the compute graph at the tensor level, enhancing your ability to optimize and debug neural networks.

Youtube: ▶ Building makemore Part 4: Becoming a Backprop Ninja

Github:https://github.com/karpathy/makemore