

## II - TRAINING THE LLM-

The LLM is trained LLM using the Input/ output TRAINING TEST SET. pris determined Input | Coutput | - |
Matox | CNEVRAL NETWEK] mi Sep I-9 MINIMIZE

LOSS FUNCTION VIA GRADIENT DESCENT 1 For Computational Efficiency the linguit and output se-Sent to LLM is NOT as shown in I-9.15 figure Fig I-1. Rather it is loaded in BATCHES as follows: (In the heart of the city) stood the old library, TRAINING A relic from a bygone era. 95 Stone walls Diff from bore the marks of time, and my ching torons that was used to tightly to its facede ... Build Vocab) Input Matrix: Z = ([["ln", "the", "heart"],
["df", "the", "city"],
["stood", "the", "old"], # all Tokens are not characks but token Ids! Output Metox: y = ([["the", "hear", "of"],
["the", "city", "stool"], Using these Test and Tham mentiones the neural network is trained.



