Prepare a C++ application and its build environment on a linux system that implements the above neural network. Ubuntu 16 or Ubuntu 18 preferred. Do not use third party code or libraries, only stdc+ or libc.

Hidden layers have ReLU activation!

The application should be built and executable on command line. It should take the float values of input neurons from command line and should print out the values of output neurons to console.

The number of layers and the number of neurons in each layer should be compile time configurable.

1. please send the source code and build scripts
2. please detail your ideas on how to optimize this program in an embedded platform