

HOMEWORK 1

CS 6301

Subject: Convolutional Neural Network

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ANSWERS:

1. Done with reading assignment for Linear Algebra on Github. CNN: theory, implementation and application.
2. Glanced over the topics and some part details to get a clarity of the topic for implementation. But it wasn't much useful for this part of assignment. I felt Github CNN pdf was sufficient for this homework.
3. Programming Language Used: Java on Oxygen Eclipse IDE.
4. The result of the program when the inputs are given as slide number 59/60 (at address 13) is **12891. (The output of the program is attached to the zip file).**
5. I felt that if we use a larger window size (that is hover over the input matrices/image), the output will have lower details than the output generated by smaller window sizes. (Just like image smoothing, if the window size is larger then the image is more blurred, but if it is small, the output is more granular)

Note: Please correct me if I am wrong.