

SS-4290: Computer Science Final Year Project Weekly Report

Week 4 (Due 1st September 2021)

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Objectives:

1. Prepare a more comprehensive presentation. ☒

In an attempt to give a better presentation, I started from the beginning by understanding the methods. From what I read and understood, I will try to explain in my own words:

Memory Networks

Memory Networks is a learning models and especially used in inference reasoning. It can be read and written to. It is used in neural networks because neural networks lack spaces to stores memory.

Recurrent Attention Model

The Recurrent Attention Model (RAM) is a neural network that processes inputs sequentially, addressing the locations inside the image one by one, and finally combining information from that process to display a dynamic representation of the image

End-to-End Networks

End to End Networks are related to both terms mentioned above. It utilized RAM with a large external memory. It is somewhat similar to Memory Networks but its end-to-end and hence require less supervision.

Hops

Last week you asked what 'hop' is, hops are computational steps done in the networks.

End

