identify **3 broad areas** of interest

within each area, *find* 20 research papers (preferably review papers) by title

filter each research paper by reading its abstract

find future research directions among all papers

make a list of research directions that fulfill the following requirements:

* novel/unique
* valuable
* viable (desirably there should be a sample GitHub project which I can build upon)
* practical

cloud computing, deep learning, IoT

A **computer** is a [machine](https://en.wikipedia.org/wiki/Machine) that can be programmed to [carry out](https://en.wikipedia.org/wiki/Execution_(computing)) sequences of [arithmetic](https://en.wikipedia.org/wiki/Arithmetic) or [logical operations](https://en.wikipedia.org/wiki/Logical_operations) ([computation](https://en.wikipedia.org/wiki/Computation)) automatically. Modern [digital electronic](https://en.wikipedia.org/wiki/Digital_electronic) computers can perform generic sets of operations known as [programs](https://en.wikipedia.org/wiki/Computer_program). These programs enable computers to perform a wide range of tasks. A **computer system** is a nominally complete computer that includes the [hardware](https://en.wikipedia.org/wiki/Computer_hardware), [operating system](https://en.wikipedia.org/wiki/Operating_system) (main [software](https://en.wikipedia.org/wiki/Software)), and [peripheral](https://en.wikipedia.org/wiki/Peripheral) equipment needed and used for full operation. This term may also refer to a group of computers that are linked and function together, such as a [computer network](https://en.wikipedia.org/wiki/Computer_network) or [computer cluster](https://en.wikipedia.org/wiki/Computer_cluster).

Cloud computing:

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