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# References

GitHub Link

* [shikharkumar13 (Data Science With Shikhar) (github.com)](https://github.com/shikharkumar13)

Drive:

* [Data Science Files - Google Drive](https://drive.google.com/drive/folders/1jiKxJCI3Cnd_pgznxQ-690O8RyfmgiPV)
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# 7th Sep

Have to go with the recording

# 8th Sep

## Neural Network Architecture

Neural network architecture refers to the structure of a neural network, which is a map of the neural layers and processes. It defines how information flows through the network and how the neurons are interconnected. The architecture determines the network's capacity to learn and solve specific problems.

Here's a breakdown of the key components of a neural network architecture:

* **Input Layer:** This layer consists of neurons that receive input data. Each neuron in this layer represents a feature of the input data.
* **Hidden Layers:** These are intermediate layers that process the inputs received from the input layer. A neural network can have one or more hidden layers, and the number of neurons in each hidden layer can vary. The hidden layers apply weights and biases to the inputs and pass the results through an activation function to produce outputs.
* **Output Layer:** The final layer of the network, which produces the output. The number of neurons in this layer typically corresponds to the number of classes in a classification problem or the number of output variables in a regression problem.