DEEP Learning:

SOM, RBF, Hopfield Net, Logistic, Linear, Perceptron, MLP, Backprop,Regularizarion, Gradient descent, Stochastic gradient descent, RMSProp, Adam GD, CNN, RNN, Back prop through time, Batch Normalization, Vanishing gradien of CNN and RNN, LSTM, BERT, Autoencoders, Attention, Transformers, NLP (Word2vec, CBOW, Skip gram, TF, TFID, Glove extra from CS7015 and Andre Ng course, Fuzzy systems, recursive neuron net, optimizers like adaprop, rmsprop, momentum, gradient descent, GD with momentum, encoder decoder, GRU, gated GRU, Bi directional neural networks

Links:

1. CS 7015
2. Ali ghodsi
3. Kilian Weinberger
4. Andrew NG
5. Backprop through time

(<https://mmuratarat.github.io/2019-02-07/bptt-of-rnn#:~:text=where%20derivative%20of%20Loss%20Function,outer%20product%20of%20two%20vectors>.) (<https://github.com/go2carter/nn-learn/blob/master/grad-deriv-tex/rnn-grad-deriv.pdf>)