Research on Tensorflow.js

Main things to keep in mind when using a Neural Network or Machine learning algorithm:

1) Epochs : no of times the training process is going to be iteratively repeated

2) Loss function : function to check the inefficiency of algorithm by computing a value

3) Optimisation algorithm : to reduce the value of Loss function by making the algorithm efficient (Gradient descent)

4) type of neural network or machine learning algorithm going to be used in the Project (RNN , CNN , GAN , Linear Regression, knn clustering)

5) Regularization to avoid Overfitting (by providing a penalty like lambda function)

6) Activation function : Softmax and Sigmoid

The idea for projects in Virtual AI Lab :

1) Begineer: Linear Regression(plot and predict) eg Housing Prediction Value

2) Intermediate: NLP(sentiment analysis) eg To check the toxicity of the given language

3) Advanced: Image Classification eg to differentiate between two types of images like humans and dogs etc.