**Parthivi Choubey**

**Progress Report 1 (17/12/18)**

Machine Learning: -

Andrew Ng course from Coursera

Completed all videos, readings and quizzes till week 7.

Completed week 4 (exercise 3) programming assignment.

Working on week 5 & 6 programming assignments.

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>>ex3

Loading and Visualizing Data ...

Program paused. Press enter to continue.

Testing lrCostFunction() with regularization

Cost: 2.534819

Expected cost: 2.534819

Gradients:

0.146561

-0.548558

0.724722

1.398003

Expected gradients:

0.146561

-0.548558

0.724722

1.398003

Program paused. Press enter to continue.

Training One-vs-All Logistic Regression...

Iteration 50 | Cost: 1.388000e-02

Iteration 50 | Cost: 5.725253e-02

Iteration 50 | Cost: 6.396020e-02

Iteration 50 | Cost: 3.636553e-02

Iteration 50 | Cost: 6.182466e-02

Iteration 50 | Cost: 2.172437e-02

Iteration 50 | Cost: 3.500440e-02

Iteration 50 | Cost: 8.588104e-02

Iteration 50 | Cost: 7.909181e-02

Iteration 50 | Cost: 1.006628e-02

Program paused. Press enter to continue.

Training Set Accuracy: 85.040000

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>>ex3\_nn

Loading and Visualizing Data ...

Program paused. Press enter to continue.

Loading Saved Neural Network Parameters ...

Training Set Accuracy: 87.600000

Program paused. Press enter to continue.

Displaying Example Image

Neural Network Prediction: 6 (digit 6)

Paused - press enter to continue, q to exit:q