**Design and Analysis of Algorithms – CIA2**

Two code bases have been made :

i) Genetic Algorithm

ii) Ant Colony Optimization

The dataset used is the “Bank\_Personal\_Loan\_Modelling.csv”

At the end of 50 epochs, the loss incurred by applying :

Genetic Algorithm as weight optimizer is 0.25 .

Ant Colony optimization is 0.29 .

Both have similar loss at the end but genetic algorithm has lesser loss comparatively.

**References :**

Code based used for teaching ant colony

Medium.com

Towardsdatascience

Geekforgeeks

Machinelearningmastery

Pytorch documentation