**Ram Mohan Rao Yeduri**

**700740253**

**Machine Learning – Assignment1**

GitHub: <https://github.com/rxy02530/ASSIGNMENT_1.git>

Video link: <https://drive.google.com/file/d/1dOEZz6g5QS4Ru52meLnR3aUcEoS6isEy/view?usp=drive_link>

Task 1: Using Numpy

1.a:A screenshot of a computer code

Description automatically generated with low confidence

1.b: Write a program to compute the eigenvalues and right eigenvectors of a given square array

A picture containing text, font, screenshot

Description automatically generated

1.c: Compute the sum of the diagonal element

A screenshot of a computer code

Description automatically generated with low confidence

1.d: Write a NumPy program to create a new shape to an array without changing its data

A screenshot of a computer program

Description automatically generated with low confidence

Task 2: Using Matplotlib

A picture containing text, screenshot, colorfulness, diagram

Description automatically generated