**Week\_1\_Machine Learning Assignment:**

**CODE:**

import numpy as np

sid = 2454981

last\_two\_digits\_sid = 81

if last\_two\_digits\_sid >= 10:

    num\_elements = last\_two\_digits\_sid

else:

    num\_elements = 100+ last\_two\_digits\_sid

Nanda = np.arange(1,82)

print("The 1-d vector is:")

print('\n')

print(Nanda)

b = Nanda.reshape(1, num\_elements)

print('\n')

print("The 2-d vector is:")

print('\n')

print(b)

k = b

print('\n')

print("The new array 'k' is")

print('\n')

print(k)

print('\n')

print("The shape of the 1-d vector 'Nandu' is")

print('\n')

print(Nanda.shape)

print('\n')

print("The shape of the 2-d vector 'b' is")

print('\n')

print(b.shape)

print('\n')

print("The shape of the new array 'k' is")

print('\n')

print(k.shape)

**OUTPUT:**

A screenshot of a white sheet

AI-generated content may be incorrect.