**Fall 2023: CS5720**

**Neural Networks & Deep Learning - ICP-2**

**CHARAN KUMAR KAMASANI**

**700754801**

**1. Write a program that takes two strings from the user: first\_name, last\_name. Pass these variables to fullname function that should return the (full name).**

* o For example: ▪ First\_name = “your first name”, last\_name = “your last name” ▪ Full\_name = “your full name”
* o Write function named “string\_alternative” that returns every other char in the full\_name string. Str = “Good evening” Output: Go vnn
* Note: You need to create a function named “string\_alternative” for this program and call it from main function.

A screenshot of a computer code

Description automatically generated

**2. Write a python program to find the wordcount in a file (input.txt) for each line and then print the output.**

* o Finally store the output in output.txt file. Example:
* Input: a file includes two lines: Python Course Deep Learning Course
* Output: -- Python Course -- Deep Learning Course
* Word\_Count: -- Python: 1 -- Course: 2 -- Deep: 1 -- Learning: 1

A screen shot of a computer code

Description automatically generated

**3. Write a program, which reads heights (inches.) of customers into a list and convert these heights to centimeters in a separate list using:**

* 1. Nested Interactive loop.
  2. List comprehensions Example: L1: [150,155, 145, 148] Output: [68.03, 70.3, 65.77, 67.13]

