



# SIG720

## Machine Learning

### Learning Summary Report

Saurabh Dharmadhikari  
223624833

## Self-Assessment Details

The following checklists provide an overview of my self-assessment for this unit.

|                 | Pass (D) | Credit (C) | Distinction (B) | High Distinction (A) |
|-----------------|----------|------------|-----------------|----------------------|
| Self-Assessment | ✓        |            |                 |                      |

Self-Assessment Statement

## Declaration

I declare that the portfolio of tasks within the unit is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part of this submission been written for me by another person.

Signature: **Saurabh Dharmadhikari**

## Reflections

### The most important things I learnt:

I learnt about building the models using right resources depending on the kind of data provided to us. MLP was something that was a key take away. I was able to learn the concepts behind ML.

### I feel I learnt these topics, concepts, and/or tools really well:

Using Python to clean data and to build a ML model for the data provided.

### I found the following topics particularly challenging:

It was a little challenging at first to learn about how MLP works.

### I found the following topics particularly interesting:

To learn how MLP is made was very interesting. Also comparison of performance of different models that we build.

### I still need to work on the following areas:

I still need to learn more about MLP and also how performance of different models for different industry work like medical, hospitality etc. I will be reading more about this topic and also watching videos online that are very helpful.

### The things that helped me most were:

Youtube videos were very helpful in developing understanding of the concepts and to visualize how these models work and also perform.

### If I did this unit again, I would do the following things differently:

I would see what the topic for the week is and first read online and watch videos to prepare for this unit. I will first also think about the industry that the data has been collected for and what is the end use of the model and see what kind of performance is suitable for the problem and work on it.

### Video lectures:

Please add more video lectures for this unit. They are extremely helpful and also makes it more interesting.