# SIG788

## Engineering AI Solutions

### Learning Summary Report

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## 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:

- How we can analyze and obtain predictions on Azure by building our own machine learning model using different approach like in our project I used a decision tree model to get predictions on titanic dataset.
- Use of fussy logic and its application.
- Azure is a cloud computing platform that can also be used to detect objects in an image or a video.
- Azure can also be used to build a chat bot and it then can be attached to various applications such as messenger.
- ❖ I had not expected that I will be learning how to detect objects in an image and about chatbots but it was really fun learning these aspects of Azure and I have become more confident at it as well. There is still so much to learn.

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

- Using Azure to build prediction models.
- Azure to build chat bot.
- Using Azure to detect objects in an image with the description of image passed.

### I found the following topics particularly challenging:

- Object detection in image was particularly challenging especially to code in Jupyter notebook as I had no experience in this sphere but I learnt all the concepts of codding for this purpose. I learnt that even under pressure I was able to learn quickly and apply the knowledge in real and also managing time according to the deadline.

### I found the following topics particularly interesting:

- The most exciting part was to build a chat bot using Azure cloud computing service. Also, I learnt how to use word much better now and time management during this unit.

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

- I feel I could explore Azure more as it has so many uses to build AI models that can be applied in so many areas of work and business.
- I still need the feel that I can work on managing my time much better and it will be an ongoing process from now on.

### The things that helped me most were:

- Reading different articles on web about Azure and how people have used this technology and where it can be applied. It helped me in developing understanding of the subject
- Also practicing on the platform, it helped me a lot because I was a little scared of using it at first but as I've become proficient, I have developed confidence over it as well.

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

- I will be managing my time in a much better way from the starting of the week.
- As some content of the course was not very well organized, I would also put in more efforts to read more articles and searching on web or library about the topics given.

## Future in Data science:

I realized how fast this area is growing and the high amount of unstructured data today we have and how analyzing this data is helpful. This technology can be used in so many ways and how it even can track our social behavior and also help us improve. But these are subjects on which there are few principles and parameters that should not be crossed. The technology should be used only for development purposes. It is a coming of age of data and its management.