Personal Development Report(Evaluation 1)

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1 Introduction

My name is Danil Burov and I am studying Information Technology in Fontys, Venlo. I am specializing in Embedded Software back in Venlo and the reason I chose this minor is because I think that AI is a very ongoing topic and I wanted to get more familiar with it. Especially because I think that AI has a big implication when it comes down to IoT devices.

2 Learning outcome 1 - Societal impact

In my own words:
Able to analyze societal impact of a project

Explanation:
Societal impact is one of the most important contextual parts of the project. Every time a person starts a project an evaluation on the societal impact should be done in order to understand 'Why?' a project is being done on the given topic.

2.1 First evaluation

During the first weeks of the minor I had the opportunity to think about the societal impact of the projects I will be working on. Since the beginning I had an idea of what my personal project could look like. However, I was not that aware what could be the societal impact of my project. With the help of the technical coach 'Jacco'.

To see the feedpulse checkpoint regarding this evaluation go to Figure 1.

Self assesment: Orientating

3 Learning outcome 2 - Investigative problem solving

In my own words:
Critically analyze the recongnize and solve problems.

Explanation:
From this learning outcome I will further develop my investigative and problem solving skills regarding how AI is used in the project, is it doing as intended and if not how to approach the problem and solve it eventually.

3.1 First evaluation

During the first weeks I had to tackle several problems. In the beginnig the course was presented with some stakeholders who presented to us what issues they have with their companies and what they would like to add to their business. I was given the opportunity to think of an idea that solves a business case and so I created a project proposal for one of the companies that visited us. The proposal is based on the problem that the company has.

To see the full proposal go to this link: project proposal

Self assesment: Orientating

4 Learning outcome 3 - Data preparation

In my own words:
Be able to structure and qualify the usability of data.

Explanation:
In order to create any AI model I will need a good, clean dataset that can be used to properly teach a machine. To do so I intend to first of all use a reliable source for the set and clean inspect it carefully before using.

4.1 First evaluation

5 Learning outcome 4 - Machine teaching

In my own words:
Be able to train a model for its intended purpose.

Explanation:
After making sure that the dataset that will be used to teach a machine is not corrupted, outdated and etc., I need to ensure that the machine is doing as intended with the dataset. In order to ensure quality, testing the machine teaching is ideal.

5.1 First evaluation

6 Learning outcome 5 - Data visualisation

In my own words:

Explanation:

6.1 First evaluation

7 Learning outcome 6 - Reporting

In my own words:
Explanation:

7.1 First evaluation

8 Learning outcome 7 - Personal Leadership

In my own words:
Explanation:

8.1 First evaluation

9 Learning outcome 8 - Personal goal

In my own words:
Explanation:

9.1 First evaluation
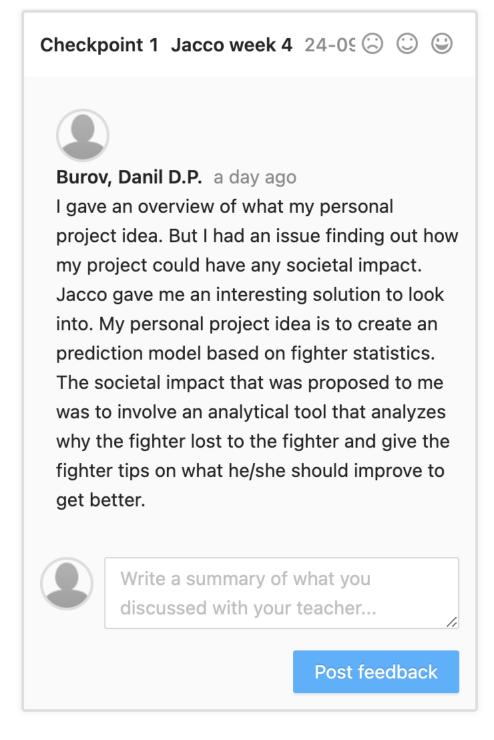
10 Retrospect

11 Conclusion

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Figure 1: Feedback checkpoint for societal impact