# INDIVIDUAL REFLECTION

## AIG 130 - CLOUD COMPUTING FOR MACHINE LEARNING

### Lab 2

##### How were tasks distributed?

* Below is a Table Showing the Group Members and each of their Tasks.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KEY** | **Aliyyah** | **Masoud** | **Jonathan** | **Aadil** |
| *Topic Selection* |  |  | True |  |
| *Getting Topic Approval* | True |  |  |  |
| *Introduction – Research* |  |  | True | True |
| *Interesting Fact’s – Research* |  |  | True |  |
| *Purpose and Importance – Research* |  |  | True | True |
| *Technology Analysis – Research* |  |  | True |  |
| *Implementation Strategy – Research* | True |  |  |  |
| *Challenges and Solutions – Research* |  |  | True |  |
| *Effectiveness – Research* |  | True |  |  |
| *Cost-Benefit Analysis – Research* |  | True |  |  |
| *Impact Assessment – Research* | True |  |  |  |
| *Cross Verifying Data* |  |  | True | True |
| *Creating the PPT* |  |  | True | True |
| *Introduction – Live Presentation* |  |  |  | True |
| *Purpose and Importance – Live Presentation* |  |  |  | True |
| *Did You Know – Live Presentation* |  |  | True | True |
| *What is it Developed On – Live Presentation* |  |  | True |  |
| *Technology Analysis – Live Presentation* | True |  |  |  |
| *Implementation Strategy – Live Presentation* | True |  |  |  |
| *Challenge's & Solutions – Live Presentation* |  |  | True |  |
| *Effectiveness – Live Presentation* |  | True |  |  |
| *Cost & Benefit – Live Presentation* |  | True |  |  |
| *Impact Assessment – Live Presentation* |  |  |  | True |
| *Conclusion – Live Presentation* |  |  |  | True |
| *Group Report – Document*  *(with Expanded and More Information than PPT)* | True |  | True | True |

##### What was your specific task?

* Firstly, I had Organised who collects what Data
* Then I Provided them some Insight about the Topic
* I also Provided them with some References to Start Researching
* The Reason I selected this Topic is that it was Very Interesting to Research and Present & I got to get Insights into a something I’ve long wanted to Know More about.

##### What challenges did you encounter?

* Availability of all Group Members at same time was Difficult so we split tasks and tried to connect in batches instead of waiting for all Members to be free.
* A lot of other Submissions at same time so prioritising was difficult (but not impossible).
* Cross-verifying the Information provided by AI Models to check its Accuracy &or if it’s Updated.
* The Information on the Web about this Topic was Very Limited and has still left us with a Few Unanswered Questions like `Was there any Cloud Services Used in the Development of this ML Model ?`.

##### What steps would you take to decide on whether to use a cloud service for your ML project?

* In the Scenario that I am using a Cloud Service for a ML Project I’ll look into Factors like
  + Accessibility
  + Cost
  + Flexibility
  + Storage & Performance

##### Which criteria would you consider when choosing a cloud platform (e.g. AWS, GCP, Azure)?

* Personally, I’ve Utilised GCP, AWS, Hostinger…
* In terms of why I prefer GCP more than any Other Cloud Platform is that:
  + Its Cost’s are Pay as you go.
  + It is Easier to Use & it’s Tools like Google Vision and Firebase is what I Generally Utilise.
  + Google Vision is a Unique and Useful tool provided by GCP.
  + My Client’s Usage and Data stay’s around 5Million Requests per Month per Instance & the Corresponding Cost’s are around 50.43 CAD per Month which is acceptable by my Client’s.
* In terms of why I utilise AWS was for other Project’s where it was a bit cheaper and more Powerful to Host a Small Django Server for my Personal API’s & other Purposes.
* I’ve Also come to Try out other Cloud Provider’s like one Named Hostinger
  + They Gave me a KVM 8 Server with a Domain for a Price Acceptable to my Client’s
  + It was a High-Performance Low-Cost Server for Hosting my Client’s System.