# INDIVIDUAL REFLECTION

## AIG 130 - CLOUD COMPUTING FOR MACHINE LEARNING

### Lab 3

##### How were tasks distributed?

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KEY** | **Aliyyah** | **Masoud** | **Jonathan** | **Aadil** |
| *Introduction*  *– Research* |  |  | True | True |
| *Data Collection, Cleaning & Preprocessing*  *– Research* |  |  | True |  |
| *Model Development & Training Preprocessing*  *– Research* | True |  | True | True |
| *Deployment & Monitoring*  *– Research* |  | True |  |  |
| *Validation & Testing*  *– Research* |  | True |  |  |
| *Collaboration & Challenges*  *– Research* | True |  |  |  |
| *ML-OPS*  *– Research* |  |  | True | True |
| *Creating the PPT* | True |  | True | True |
| *Introduction*  *– Live Presentation* |  |  | True |  |
| *Data Collection, Cleaning & Preprocessing*  *– Live Presentation* |  |  | True |  |
| *Model Development & Training Preprocessing  – Live Presentation* |  |  |  | True |
| *Deployment & Monitoring*  *– Live Presentation* |  | True |  |  |
| *Validation & Testing*  *– Live Presentation* |  | True |  |  |
| *Collaboration & Challenges*  *– Live Presentation* | True |  |  |  |
| *ML-OPS*  *– Live Presentation* |  |  |  | True |
| *Group Report – Document*  *(with Expanded and More Information than PPT)* | True |  | True | True |

##### What was your specific task?

* I was in charge of Finding out about Data Collection, Cleaning & Preprocessing and Introducing the Scenario.

##### What challenges did you encounter?

* Getting Everyone Available at same Time and balance my other Daily Responsibilities &or College Projects.
* In the End we couldn’t get everyone available at the Same Time so I ended having separate Meetings with Each Induvial Assigning Tasks, collecting their Part & Stitching it Together.

##### Why do you think ML Engineering is important for effective implementation of ML projects?

* ML Engineering is essential because it converts experimental models into robust, scalable production systems through well-designed pipelines, seamless integration with software, and continuous performance monitoring.
* This ensures that models remain effective and reliable when handling real-world data and use cases.