Student ID: __20CS080__   Student Name: _____Jekeel Mayur Shah_____.

Sem: _____7_____ Div.: ____CSE - 2____ Type of Internship: _____Project Internship_____.

Week No.: _1_ from: ___22ⁿᵈ May___ to ___28ᵗʰ May___ Working Hours / week: ____30 (Virtual)____.

Company Name: __Jio Platforms Limited (JPL)__ Technology worked on: _Python (Machine Learning)._

Describe your principal assignments and responsibilities for this period.

During this period, my principal assignment was working on the Development project in Machine Learning at Jio Platforms Limited. Specifically, I was tasked with the Invoice Classification & Key Value Pair Extraction project. In the 1st week, I was given time for self-study to familiarize myself with image processing techniques. Additionally, I was responsible for creating my own dataset from scratch for training the machine learning models.

What experiences were particularly rewarding during this report period?

During this report period, I found the experience of exploring image processing techniques to be particularly rewarding. It allowed me to gain a deeper understanding of how to manipulate and analyze images for the purpose of invoice classification and key value pair extraction. Creating my own dataset from scratch was also rewarding as it gave me the opportunity to curate data specifically tailored to the project requirements.

What experiences were particularly difficult during this report period?

One of the challenges I faced was working on virtual desktops connected to the intranet of the company. To gain access to different applications and tools required for the project, a series of procedures had to be completed. This process presented some difficulties initially, as it involved navigating through the company's network and ensuring proper access rights. However, with the guidance of the IT department, I was able to overcome these challenges and successfully set up the necessary environment for my work.

Describe principal tasks and duties to be performed and accomplishments during the upcoming week.

- Refining the dataset created in the previous week by identifying and resolving any data quality issues.
- Exploring and implementing machine learning algorithms and techniques suitable for invoice classification and key value pair extraction.
- Finalize the workflow for the project and documentation of the same

Learning Outcomes: (in brief)

- Acquiring a solid understanding of image processing techniques and their application to invoice classification and key value pair extraction.
- Gaining hands-on experience in creating a dataset from scratch and ensuring its quality for training machine learning models.
- Strengthening skills in documentation and communication through reporting progress and challenges faced during the internship

Signature of Internal Guide   Signature of External Guide
Prof. Akshita Kadam   Mr. Milind Mulye