

**WEEK 1 REPORT**

**FIRST NAME: GAURAV**

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**DOMAIN: DATA SCIENCE AND MACHINE LEARNING**

**INSTITUTIONAL AFFILATION: UPSKILL CAMPUS**

**I want to inform my weekly progress of this summer Internship in Data Science and Machine Learning provided by Upskill Campus and IoT Academy.**

In first week of this online summer internships organized by “upskill campus” and “IoT Academy” in “Data Science and Machine Learning” domain some of the task is assigned by the organization and I’d like to inform you about the progree and task completed by me.

**WEEKLY REPORT SUMMARY**

Some of the task are assigned to me in my first week of internship here is the key points which I want to inform you:

1. Table of Content
2. Task Completed
3. Task Progress
4. Challenges
5. Solution

**TABLE OF CONTENT**

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| **Task** | **Date of Commencement** | **Status** |
| 1. Study about internship providing company   (UCT). | 2023/07/15 | Completed |
| 1. Choosing one project from the multiple projects. | 2023/07/17 | Completed |
| 1. Explore Problem Statement of Project. | 2023/07/20 | Completed |

**TASK COMPLETED**

Some of the task are assigned in first week of my internship:

1. **Study of Internship providing company**

* Name - UniConverge Technologies Pvt. Ltd.
* Domain it works – IIOT Products, IIOT Solutions and OEM Services.
* Technologies it Use – IoT, Cloud Computing, Machine Learning, Python, Java, Communication Tech etc.
* Products/Solutions it works – Intelligent Street Lights, Smart Irrigation, Irrigation Controller etc.
* Work related to Internship Domain – Analyze Data and Make Machine Learning Model, which predict the future insights.

1. **Choosing one project from multiple projects**

* Project – Prediction of Agricultural Crop Production in India

1. **Explore Problem Statement**

Identifing the different variety of Agricultural Crop Production at various different subsidiary rate, at where it grows, at how many tons of it grows, etc.

**TASK PROGRESS**

I have completed my all task, which is assigned in first week of my Internship. However, Still I am exploring ‘Problem Statement’ and try to figure out best possible solutions for my Project.

**CHALLENGES**

Some of the Challenges I faced in first week of Internship:

* Exploring Large Dataset.
* Understanding of Problem Statement.

**SOLUTION OF CHALLENGES**

* Use some of the Python Libraries to understand the large dataset like:-Pandas.
* Search that how to understand the ‘Problem Statements’ and apply some tools and Algorithms.