

INTERNSHIP SUMMARY

DAY-1

What I have learned today?

It was the first day of attending the internship, so I have a kind of mixed emotions like a little scared and curious about what I am going to do for another 8 weeks. Today, the session started with the skill sets and the types of skills that i need to develop to become a software engineer or a programmer.

The first half an hour of the session gone with the self-introduction. Then the class have started with the topic of **the types of skill sets** and there are commonly 4 types of skill sets and they are: horizontal line shaped skill development (the one with this has to proficient in a particular skill), vertical line shaped skill development (the one who only knows the basics of many skills have and not proficient in any of them), T-shaped learning (the one who have many skills and also proficient in any one deeply), and finally the inverted triangle shaped learning (the one who have many skills and also have proficiency in one skill and the other skills they have will support that one deep skill). These are the basic 4 types of skill sets and i thought that, on my perspective among these 4 types, the inverted triangle shaped learning is the good way of learning. Because, I can learn the basics of many skills and also be proficient in any one of those skills.

Then the topic is about what are all the common skill you all have known and for that we all have answered all the different types of skills. After knowing about the different types of skills, a small discussion has been taking place what is easy skills and what is complex skills. The easy skills are the one which do not need any combination of other skills to support the one and complex skills are the one which need many more other skills to support that one skill to be proficient in that one.

Then the topic is about the what are all the skills required for a programmer or what are all the skills one need to acquire to become a programmer (*skills for programming / coding*). The skills are **reading, writing, learning, problem solving, decision making, research or googling, AI, mathematical thinking and finally communication**. These are some of the important skills that i need to develop in these 8 weeks.

PROBLEM SOLVING:

Problem solving is the skill that have many steps into it, the steps for problem solving is:

- Do not avoid the problem- means you should face the issue directly instead of ignoring it or postponing it.
- Understanding the problem- means thoroughly analyzing and defining the issue before attempting to solve it. This involves identifying the root cause, gathering relevant information, recognizing constraints, and clarifying objectives.
- Finding the constrains of the problem- means identifying the limitations, rules, or restrictions that affect possible solutions.
- And finally thinking of the right solution for the found problem.

Why is problem solving important?

I have also learned about why is problem solving important, because it is necessary for our day-to-day life. Problem solving is not only for programming an, aptitude, it is important for us in our daily life.

For example:

If you are running a hotel business, there are many constrains are there that you are need to satisfy to gain more customer for your hotel, the constrains may be about the ambience and the taste of the food you are providing to the customer and also the price of the food everything needs to satisfy your customer for you to develop that business. Finding the solution for the daily life activity and the ability to solve those problems is the problem-solving skill in our day-to-day activity.

For these type of daily life problems, you don't have to learn any course or you don't have to develop any skills, you just need to understand the problem properly and have to think of the solution. This is what I understood the meaning of problem solving, it's just a day-to-day activity, not any complex skill.

TASK TO WRITE OUR TOP 5 SKILL SET:

There is an assessment has done to go through what are the skills I am good at but I didn't say anything on a group discussion. But I know few skills that are with

me. For example: I try to understand complex problems and try thinking of the solution for that problem, I learn things quickly and understand in my own perspectives. Listening to all types of skills and skill sets, I have learnt that I have to develop more skills by myself.

KEY TAKEAWAYS FROM TODAY'S SESSION:

I have learned about the types of skills and also acquired knowledge about how to develop my skills and about what is the best type of skill set.

There are a task takes place to write our top 5 skill set and from hearing everyone's answer, I have learned that I need to develop more skill sets.

Then I have learned the importance of problem solving and it's just not a skill, it's a day-to-day life activity.