Skills I learned:

* Java coding skills relating to Minecraft, how Minecraft codes interact with each other, Minecraft registry etc.
* Minecraft renderer, how does my code becomes a Minecraft item/block, how Minecraft render textures.
* Skills to presume what a method does without reading its documentation.
* Dealing with JSON files. Making it so that they help my program to implement visual components into Minecraft.
* Learning how to use build tools like Gradle to run Minecraft.
* Learned how Minecraft structures its data.
* Learned how to work with external Libraries, where to look for codes/docs

Problems:

* Since Minecraft is not open source, I could not get proper documentation for its methods. Which made it hard to understand what some methods do. This was partially solved thanks to some online documentation that was available.
* The mod requires a tight-knit structure in which nothing can go wrong. Especially when it comes to folder naming, when a folder has a wrong name or wrong location, the code becomes un-functional.

Things to do better next time:

* Goal setting: After I started to program I realized that the goals I set were not in a linear fashion, there's a lot of discontinuity between some of my goals such as from tools to new mobs. My original goal was that I can start with making an item, while I code the item I Learn how to code a block and so on. The problem here is that there is a big discontinuity between some of the learning I have to do. For example for a new mob, I would need to learn about Minecraft entities, which are very complex and it includes living and non-living entities, entities also include things like inventory, hands, etc. Which was hard and a lot to learn.
* Surprisingly, the jetpack, which I thought would be the hardest to implement, became one of the easier ones. Since I can implement it as an item. Which really goes to show that it would be really helpful to have some modding knowledge before I started making my goal. Fortunately, I have it now, the next time I make a mod, It will have better goal setting.