

Working on this ETL pipeline project was a great learning experience, but it definitely took me some time to work through the process step by step. There were so many steps involved, from understanding how to load the data, make modifications, and save it in different formats, that at first, it felt overwhelming. Since I'm a visual learner, I relied heavily on YouTube videos to guide me through each part of the process. Watching someone else walk through similar tasks visually really helped me connect the dots and piece everything together bit by bit. It was like solving a puzzle where each small step made the bigger picture clearer. I found that taking it slow and rewatching parts of the videos when I got stuck made a big difference in building my project.

One of the most satisfying parts of this project was seeing the code actually run smoothly in the end. Watching the output files get created and realizing that the program worked exactly as it should was such a rewarding feeling. What I thought would be hard, like saving data to a SQL database, turned out to be simpler than I expected once I understood the commands and syntax. On the other hand, some things I thought would be easy, like dynamically modifying columns, were more challenging. Figuring out how to properly add or remove columns while ensuring the code remained flexible took a bit of extra time and troubleshooting.

Throughout this project, I realized how powerful and useful a tool like this ETL pipeline can be for future data projects. Being able to take data from different sources, clean it up, modify it, and save it in the format you need is incredibly practical. It's something I can see being applied in almost any field that involves working with large datasets. This process also taught me that breaking tasks into smaller steps and using the right resources—like tutorials or forums—makes it manageable. Overall, I learned a lot about patience, persistence, and the value

of hands-on learning. This project has given me a solid foundation, and I'm excited to use what I've learned to tackle even bigger challenges in the future.