Approach:

Read the Question multiple times, then checked the dataset provided and this was my understanding :

* I am supposed to take bitstreams from rx.npy, decode it with the help of meta.json and save the decoded bits in decoded\_bits.npy. I am only to use scipy and numpy to implement the code.
* Then I am supposed to use run evaluation script to generate BER/FER metrics.
* I thought about implementing it graphically with the use of mathplotlib or seaborn

I then used a GPT(Perplexity AI) to verify my understanding chat link:

I also used ChatGPT to verify the same:

▪ Challenges: major difficulties encountered and how they were addressed.

▪ Implementation Notes: details of design decisions, assumptions, and limitations.