

Azhar Saidoo

### Assignment 3 – The worst Mathematician ever

During the process of developing this AI Mathematician, I figured that the bot often failed to fail at certain problems at first. By that, I had a prompt where I used a percentage figure of 95% where I asked the bot to fail. Most of the time that I proceed with any number that is not 100%, the bot would seem to always be part of the small chance of success. Asking them not to fail in the prompt or to be rather bad most of the time makes the process of failing much better.

After getting the model to work, I ended up with both that fails the first number and ends up with somewhat correct result for one of the number of iterations. Another result was that the bot would get rather mad at itself for not knowing the result. For example,  $2*2$ , I had a result of 22 which the bot was already frustrated. Then for  $22*22$ , the output was 2222 and the bot ended up getting more frustrated.

While doing this exercise, I remembered that gpt is horrible at statistics or finance. If there was a case where this model was used, the result would also vary which could alter the results returning a bad result. Would we be able to ever get a correct reading considering the model used?