

DS Challenge Report

Q1: Query and Document Matching

- I found the average no. of times the words related to a particular ingredient appeared.
- This will help us to find what are all the trending ingredients that are being used if the article relates to that particular content.
- And the array that I got was:
[0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 2, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 4, 5, 5, 3, 3, 4, 0, 0]
- Conclusions:
 - ☐ If the article says good about vegan items, then I can conclude that they are trending.
 - ☐ However if it says bad about them, then they are not the trending ones.

Q2: How you code and solve problems

The relation that I found in input and output is:

- Output is of the same size as that of the input.
- When the product in terms of array is non zero, the element of output is product divided by the corresponding index element of input.
- When the product is zero, the output is an array with zeros corresponding to the index of non zero element in input and product of non zero elements of input when corresponding index element of input is zero.
- I also attached my code.

Q3: What's your motivation ?

- As an intern in Spoonshot what do you want to achieve in 8 weeks ?
 - > Presently, I have some experience in Machine learning and Neural networks.
 - > As an intern in Spoonshot, I would like to improve my skills and learn more about AI applications.
 - > Also to get team working experience.

- What is your motivation in the field of Data Science / Machine Learning ?
 - > Making predictions always feels good.
 - > Being one of the common engineering techniques, AI is almost used everywhere.
 - > It is something that the future is going to be dependent on, the most.
 - > This is my motivation for getting into the AI field.
- If you are given a full time offer as a Data Scientist in Spoonshot what is your dream problem which you would like to solve ?
 - > Finding the food that people are having the most in a particular region and predicting demand.
 - > Using that data, see if the food can be improved by both taste and quality.
 - > Experiment on new types of food.
 - > And the dream problem would be to develop a very intelligent system that could make predictions with very high accuracy.