Airtel Interview Experiences

# **Slot: Sequential**

# **Procedure**

1. Test: Yes online 2 coding questions and Motion and Switch challenges
   1. <https://www.youtube.com/watch?v=voDiVF71RRA> Switch
   2. <https://www.youtube.com/watch?v=OqXr77zrSs4> Motion
2. Interview Mode: 2 tech rounds+ 1 hr round

Online

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# Sofia Sunam

**Personal View**: Moderate to Practical ML/DS Interview Questions.

**Status**: Selected

**Interview Description**

## **Round 1: 20-30mins**

Educational Background of the Interviewer (only one member): IISc passout.. Senior Manager (team leader)

Project Specific Discussions: favorite projects [from internship]

2 pair sum – return indices – variations- which is better how

KNN, disadvantages-solns

Chatbot Evaluation [from resume]

P value in layperson terms and significance value

BASIC TO ADVANCE ML QUESTIONS

## **Round 2: 20-30mins**

1. Introduction
2. Sort 0’s and 1’s in a mix array of 0s and 1’s such that initially 0 then 1
3. You have rs 15. You can buy re1 chocolate within the wrapper. For returning 3 wrappers, u can get 1 more chocolate. Find the total no.of chocolates u can buy. Ans- 22 😊
4. Case study: set of customers churned out from system- what Data sources u need, ML algorithms u will use, what Evaluation metrics u will use
5. Precision vs recall. [be ready with real world examples and formulas]
6. Expectations from project faculty.
7. Worked in team before?
8. How will u distribute work

## **Round HR: 20-30mins**

1. Does coming to HR round means guaranteed selection?
2. Family background
3. Prev job background [PRAISE TEAMWORK]
4. Hobbies

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# Dona Burman

**Personal View**: Moderate to Practical ML/DS Interview Questions.

**Status**: Rejected after Round 2

**Interview Description**

## **Round 1: 40-45 mins**

Introduction of the interviewer. Then, asked me about myself.

Asked me about my MTech thesis project (parameters used, result, methodology, problems faced, how to mitigate them)

Asked me about my internship in brief (models used, how to fine tune them, key observations)

Then, she asked me questions from classical ML- Boosting, XGBoost, LightGBM, etc (all boosting algos) and justification of why it would work better in different scenarios than others. It was a back-and-forth conversation where she would produce some issue that i have to address to use the desired algorithm. We delved into dimensionality reduction (PCA in depth), feature scaling, deciding which features to keep among highly correlated features (VIF), steps to use hypothesis testing in these scenarios.

She was pretty convinced by my answers in the end. So, we moved on to a coding question- optimal way to get longest subarray with the sum of the values amounting to a given sum (explain the logic), live coding- string with a lot of numbers- find the maximum value if u split the string into substrings with 3 numbers.

## **Round 2: 20-30mins**

1. Introduction
2. Asked me about my MTech thesis again, this time even more in depth. Asked me if I had anyone else working with me on this, about my guide’s expectation from my project. (I spoke a bit too much on my project which might have given him an idea that I might be more interested in PhD)
3. Asked me about my project in Word2Vec. He asked me about the use of FNN in the architecture, the embedding size, how i had preprocessed text before feeding into the architecture. Then he asked me from BERT (next sentence pred, and masked pred)
4. Sort 0’s and 1’s in a mix array of 0s and 1’s such that initially 0 then 1- for this i took up a convoluted approach where i suggested using two pointers and swapping the values between start of the array and end of the array. He was looking for a more straightforward and simpler approach (negative impression)