TIAA Interview Experiences

# **Slot: Sequential**

# **Procedure**

1. Interview Mode: 2 tech rounds (last round was merged with hr questions)

[ Online mode ]

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# Dona Burman

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

**Status**: Selected

**Interview Description**

## **Round 1: 35-40mins**

Brief introduction and idea about the job role.

Project Specific Discussions: favorite projects [from internship] + personal

Questions on LLM fine tuning, how to create vectorized database, RAG pipeline

Classical ML algorithms- KNN, K means clustering, XGBoost (mention which parameter maintains the depth of the tree), comparison questions, shrinkage and virtualization, VIF.

Asked about the structure of dataset used in my projects

Feature engineering, dimensionality reduction

ARIMA model- brief to moderate detailed understanding.

BASIC TO ADVANCE ML QUESTIONS

## **Round 2: 30-35 mins**

1. Introduction
2. How to use VAE in dealing with missing data, data imputation
3. Questions on LLMs like Claude and Llama.
4. Coding questions – 2sum, pandas data frame generation, buy and sell stock
5. If you have a code that is created on latest version of python and you want to give it someone who has a bit primitive version of it, how would you do that- Virtualization
6. Basic understanding of cloud computing.
7. LSTM architecture- why do we need Bidirectional LSTM (specifically pointing towards computationally intensive), why did GRU fail in my project.
8. Repeated questions from RAG (more detail) and LLM fine tuning.
9. Transformer arch (different types of attention and follow up questions)
10. Asked me why I switched my majors from Biotech to CDS and how hard it was. Asked me my internship exp and if I had worked in a team before and how it was.
11. Asked me if i was willing to move to Mumbai for work.
12. Why should they hire me (I said cause i am adaptive just like how i adapted to this completely new domain)

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