

Simran Gulati (MCS 2021-23)
United Airlines (Associate Data Scientist)
Interview Experience

Round 1: CV Shortlisting

7 students from CS department were selected. (Among all the four departments)

Round 2: Online Assessment

Duration: 90 min

There were 5 sections in this test:

- Data Interpretation
- Excel
- Logical Reasoning
- Numerical Aptitude
- SQL

Level: Moderate.

5 students cleared this round.

Round 3: Offline Test

Duration: 30 min

It was a MCQ test with questions on basic Python programming(output questions mostly) and some questions on probability and statistics.

4 students cleared this round.

Round 4: Technical Interview (Offline)

Duration: 30 min.

There were two interviewers. We started with introduction.

Ques: Python code to find common element in two lists.

It was followed by a detailed discussion on projects which were based on Machine Learning. Then, some basics of machine learning were asked.

- Loss function of Logistic Regression
- Confusion Matrix
- When to use accuracy as a metric.
- Overfitting and techniques to prevent that.

Tip: Basics of machine learning should be clear, it was like a rapid fire round.

2 students cleared this round.

Round 5: Technical Interview 2(Offline)

Duration: 1 hr.

There were 3 interviewers. The interview started with introduction from both sides.

This was a more detailed round entirely based on machine learning and some deep learning. Firstly, they asked me to explain one of my projects. They asked about the python libraries used in various aspects of the project.

Then, some general questions on machine learning were asked.

- ➔ Why CNN is used for images.
- ➔ Why we use square of error in loss function.
- ➔ Was asked to write the equation of gradient descent.
- ➔ How does gradient descent works.
- ➔ One-hot encoding.
- ➔ Bias-variance

Next, a situation was given to me. I was asked to design a model to estimate the delivery time of a food delivery app. I had to give a step by step solution for this problem.

- ➔ What type of data will be used. (main task)
- ➔ Preprocessing techniques used.
- ➔ Data Cleaning.

The interviewers were very helpful, they were giving hints in between.

Result : Selected.

Just be confident and try to catch the hints given by the interviewers.

All the very best ☺