PLACEMENT AND INTERNSHIP EXPERIENCES

Ashutosh Yadav
NPCI

COMPANY REQUIREMENTS

ELIGIBLE BRANCHES

CSE, ECE and EEE

CG CUTOFF

7.5+ CGPA

SELECTION PROCEDURE

One round for online test and two rounds for technical interview

INTERN EXPERIENCE TALK

BRANCH :-

Electrical and Electronics Engineering

INTERNSHIP SEASON :-

Full time employment

DESCRIPTION OF ROLE :-

IT Analyst

JOB LOCATION :-

Hyderabad

DESCRIPTION OF ONLINE TEST

There was a single round of online assessment consisting of four sections:

The first section had 20 multiple-choice questions on Aptitude, with a time limit of 20 minutes.

The second section included 20 multiple-choice questions on Machine Learning, also with a time limit of 20 minutes.

The third section focused on English communication, which consisted of 20 multiple-choice questions and a separate essay writing task, each with its own time allocation.

The final section featured two coding questions based on Data Structures and Algorithms, with a total time of 60 minutes. Candidates were free to use any programming language. The coding problems were based on Dynamic Programming and Trees.

DESCRIPTION OF TECHNICAL INTERVIEW

There were two rounds in the technical interview.

In the first round, the discussion primarily focused on the project I had mentioned in my resume. The interviewer asked detailed questions such as which machine learning model I had used, the difference between that model and alternative models, the reason for using feature leveling, the accuracy of the model, and several follow-up and cross-questions related to my project decisions and implementation.

In the second round, I was asked a series of medium-difficulty questions from various technical areas in a structured manner. The topics included DBMS, OOPs, SQL, and Python. Toward the end of the round, I was also asked to solve two SQL problems involving window functions.
Some of the exact questions I remember are:

What is the difference between function overloading and function overriding?

What is a compile-time error and a runtime error? Can you explain with an example you've encountered?

What is 3NF (Third Normal Form) in database normalization? How do you convert a table from 3NF to 2NF and then to 1NF?

What is the difference between a list and a tuple in Python? In which scenarios is a list more efficient to use?

DESCRIPTION OF HR ROUND

NA

effective preparation strategy

Focus on building a strong understanding of your projects, as in-depth questions are often asked around them. Revise core subjects like DBMS, OOPs and SQL thoroughly.