Blackrock Interview experience

Round 1

They already had our resume.

Asked - brief yourself and projects that you have done. I did an internship n made an app so they asked about that.

Do u know java - I said I am familiar with java but I code in C++.

Explain each term of: public static void main(String args[])

What is a jar file, java virtual machine (JVM)?

Diff between pure virtual function and virtual function.

Polymorphism- runtime n compile time
If only return type is different- Is it function overloading ?

He asked which all sorting algorithm I know. I listed all...he asked can u code any... I coded insertion sort n he asked to do dry run n show contents of array after each pass.
Asked a lot from database:

Joins- outer, full etc.

Write Sql queries : given a database, u need to update database only on weekdays – use of CASE keyword.

Difference between delete n truncate

He asked few questions from chat server project : Why communicate through server, why not directly peer to peer ?

Asked what is your strength - I said participation and my cv was saying the same as I participated in many technical events.
They asked apart from what is mentioned in your cv, what are your achievements - I said I have learned swimming, won many medals in basketball, skit, dancing, singing, learned Android app making, made a documentary video on public speaking fear for an institute.
Any questions for us - I asked what technologies I will be working with? So he explained in detail.

Round 2

Tell me about yourself and your Family background
R u nervous -yes
R u excited -yes
What more- I said I am more excited n smile on my face n confidence is what impressed them

Skimmed the resume and asked Difference between html n html5
write any five Linux commands whatever comes to your mind… basically trying to see how I react in various situations
what is Operator overloading

Difference between Stored procedure and function

Then some sql functions like rtrim() etc.

What is your favourite subject – I said data structures. Then he asked some conceptual questions on B-tree and reached indexes somehow. Its types (clustered, non clustered etc.) and how is it implemented. Can indexes be applied to unique attribute or combination of keys.

What mistakes u did in first round... basically was trying to make me nervous.

what is difference between unique n primary key...if I apply NOT NULL constraint on unique key, will it work same as primary key ? If yes, what is the point of making two types of keys... – ans is NO.

U have 1 million records n each line contains words like

I am a teacher
Teacher I am a
I a Teacher am
Now Device an algorithm such that if two records contains exactly same words in same order then we remove that record otherwise not. Started with brute force and then they asked to optimize the solution.

HR round:

How was the day
Brief yourself
Family background
Suppose u have all the money n u don't need to earn, what would you do- I would travel and I am a foodie, I love exploring new places and food. (answer apart from Blackrock :p)
What if company restricts u to be in Delhi only n other company allows you to go to abroad what would you do...I said why would a company restrict me if I have the caliber to represent company in abroad...he said suppose u r restricted… then ?
I said I have lived in many cities and I am quite satisfied with my life so it is not a problem.... till I am getting quality work to do ...It is cool.
Any ques for us ?
I asked what r u looking for in a candidate
He said just confidence n desire to learn
at last....
I asked anything else that you would like to ask...he said : we r good ;)

Result was announced on the same day around 8pm.

Hope this helps!

All the best :)