

**MERCEDES BENZ**  
**INTERVIEW EXPERIENCE**

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**Company: Mercedes-Benz**

**Brief Abt Company:**

Mercedes-Benz Research and Development India (MBRDI) is the largest research and development center for Mercedes-Benz Group AG outside of Germany. Started in 1996, the Bengaluru headquartered organisation plays a prominent role in the development of new technologies like connected, autonomous, shared, and electric in the mobility world. MBRDI, known for its engineering innovations, has grown to a team of over 6,000 employees and is one of the earliest technology and innovation center of a global automotive company to set up a strong presence in India.

MBRDI offices in Bengaluru specialise in end-to-end capabilities in product development and IT services. The satellite office in Pune focuses on interior component designs and IT engineering.

**Eligibility Criteria:**

B.E CSE/ISE/ECE/ME

% in X and XII – 65%

UG – 6.5 CGPA

**CTC offered: 10 LPA**

**Number of Rounds: 3 rounds**

***Round 1- Online assessment***

***Round 2- Technical Interview***

***Round 3- Managerial + HR***

**Round 1 (Online Test) ( Medium level ):**

Round 1 (Assessment) Aptitude questions are of type Verbal , Quantitative & Logical reasoning questions along with branch specific questions like coding mcqs and mathematics(for CSE)

For example, Simple piece of code is given and we have to find the right output among the given options. And mathematics questions are mostly of type partial differentiation, integration and geometry.

All together 40 questions in 60 mins.

**Round 2- Technical Interview (medium level but depends on the panel)(2 members in panel)(30 min):**

Initially, we started with a casual talk on Online classes and the current covid situation at my place and so on.(2-3 min)

Then the interviewer saw my resume and started asking some questions.

Most of the times technical interview depends on the candidate's resume.

If the panel finds the resume strong and unique then the questions will be based on the skills and projects mentioned in resume else the questions will be on core CS concepts(Coding, DSA, DB, OS, SE, Cloud)

My resume was based on UX design and I also did my internship on the same. They interviewed me with basic to medium level questions on UX.

Some questions that were asked:

UX design process(detailed explanation for 5 mins)

Basic terminologies (5 mins)

Internship & project (5 mins)

My future goal w.r.t UX and his suggestions (5 mins)

At the end, he asked me some basic questions on Java, C and DS like

Static vs dynamic binding

Stack vs heap memory

Call by reference and call by value

Name any 5 libraries/headers in C programming

(no coding only theoretical questions)(5 mins)

This round lasted about 30 mins and it was easier than I expected.

My suggestion would be:

Have strong fundamentals of your domain and know all your projects well.

### **Round 3- Managerial + HR (medium level) (15 min)(1 member)**

First I was asked to introduce and then we discussed about my experience with previous rounds(pls do remember the names of all the panel members throughout the process)(2 min)

He asked me to solve 2 logical questions(5 min)

- i. Number series question: Given a series of 4 numbers, I had to find the 5<sup>th</sup> and 6<sup>th</sup> number(easy)
- ii. Letter series question; Given a series of 3, I had to find 4<sup>rd</sup> and 5<sup>th</sup> letter(medium)

After solving these, he asked me to explain the solution in detail and further asked me to find a general formula to solve the first problem(same number series question) (2-3 min)

Last 5 min we discussed about:

my future plans

his experience working in this company

my views on working remotely vs working in office

This round is basically to test communication skills and logical & analytical skills

My suggestion would be:

Good communication skills is a must

Try solving complex problems using very basic operations

Improve your problem solving approach



**INTERVIEW EXPERIENCE WITH MERCEDES-BENZ  
RESEARCH AND DEVELOPMENT INDIA(MBRDI)  
BANGALORE.**

Suhana Mullanavar

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## Table Of Contents:

1. About Company.
2. Eligibility Criteria
3. Total No of Rounds
4. Detailed Interview Experience
5. How to prepare?

## **About Company:**

Mercedes-Benz Research and Development India (MBRDI) is the largest research and development center for Mercedes-Benz Group AG outside of Germany. Started in 1996, the Bengaluru headquartered organisation plays a prominent role in the development of new technologies like connected, autonomous, shared, and electric in the mobility world. MBRDI, known for its engineering innovations, has grown to a team of over 6,000 employees and is one of the earliest technology and innovation center of a global automotive company to set up a strong presence in India.

In line with the global ambitions of the Mercedes-Benz Group, MBRDI plays a prominent role in innovating and accelerating the future of sustainable mobility. Over the last 25 years of its presence in India, MBRDI has established itself as an innovation powerhouse. The engineers at MBRDI are committed to providing an unparalleled experience and comprehensive digital capabilities, with technology at the core. MBRDI harnesses the role of IT in accelerating the future of automotive technology in terms of engineering, digitalisation, testing and simulation, and data science.

MBRDI offices in Bengaluru specialise in end-to-end capabilities in product development and IT services. The satellite office in Pune focuses on interior component designs and IT engineering.

**Eligibility Criteria:**

**Job Role:** Graduate Engineer Trainee(GET)

**Education Qualification:** 10<sup>th</sup> Standard-65%

12<sup>th</sup> Standard-65%

Graduation-65% or 6.5 CGPA

**Qualification:** B.E/B.Tech(CS/IS,ECE)

**Work Location :** Bangalore

For the batch 2022 we had two different sections

One for cars-MBRDI(Mercedes-Benz Research And Development India)

Other for Trucks-DTICI(Daimler Trucks Innovation Center India)

**Compensation Details:**

B.E-10lpa

## **Total Number Of Rounds:**

There were total of 4 Rounds:

1. Online Test
2. Technical Interview
3. Managerial Round
4. HR Round

## **Detailed Interview Experience:**

### **1. Online Test:(1 Hour)**

There were total 50 questions. The questions were divide into 15 Aptitude, 5 Verbal and 30 technical MCQ's.

1. Aptitude consisted of questions based on Profit and Loss, Average, Permutation and Combination, Data analysis, Data Sufficiency, Time and Distance, Puzzles based on number and alphabet series.
2. Verbal Questions were very straight forward and could be answered easily consisted of error detection, fill in the blanks.
3. Technical MCQ's consisted of concepts based on OS, Differentiation, completing the coding sequence, data structure, OOPS.

### **2. Technical Round(30 minutes):**

This round is totally based on your resume so be ready for the questions for the skills you have put into your resume.

According to my resume I was told to explain my projects, internship and the courses i've done.

- I was asked about oops concept- polymorphism, abstraction, inheritance, Encapsulation.
- Questions on strings and their properties.
- Just the logic of Fibonacci series.
- Some questions on SQL queries.

I almost tried to cover whatever I remember.

### **3. Managerial Round(15-20 minutes)**

It may be 50% technical or 50% HR or both depending upon the panalist.

- Again I was asked about the project and internships.
- Was asked about my hobbies and what did I do in my covid time how did I utilize it.
- And also About my strengths and weakness
- Finally She asked me about relocation.

### **4. HR Round**

It's a telephonic round. The person will just call you over ask about yourself about relocation and that's done. Its hardly of 10 minutes round.

#### **How to Prepare for MBRDI:**

-Hop into the aptitude questions and be sound in your technical knowledge which includes DS,OOPs, OS.

-Don't fake your resume and be prepared for all type of questions which an interview might ask based on your resume.

- And for coding questions they will be asking basing questions try to practice those like swapping numbers without the third variable, Fibonacci series, reverse a string kind of questions.

- During managerial round be confident enough to answer and tackle the questions asked by the panalist. Don't be afraid and try to be real while answering the questions.

Good Luck 😊 . And be confident during the Interview. Sending You all Good Wishes. ALL THE BEST.

**Name: Soumya Patil**

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**Brief about the company:**

Mercedes-Benz Research and Development India (or *MBRDI*), headquartered in Bengaluru, India, was founded in 1996 as a captive unit to research, IT and product development activities. They started with a focus on topics ranging from CAD, CAE and IT programming for all of the group's business units.

The establishment of MBRDI is in line with the Mercedes-Benz AG group's ambition to attract the world's best engineering talent, and to form a global footprint for its R&D and IT competencies. At MBRDI, they aim to partner closely with suppliers in India for their dynamic activities in the area of product development

MBRDI offices in Bengaluru specialize in end-to-end capabilities in product development and IT services. The satellite office in Pune focuses on interior component designs and IT engineering.

**Eligibility criteria (sent by MBRDI):**

Education qualification:

- 10th Standard –65%, 12th Standard –65%, Graduation –65% or 6.5 CGPA as per respective university guidelines

Qualification:

- B.E./B.Tech -(CS/IT, ECE, Mech)
- Work Location – Bangalore

**Recruitment process:**

There were 3 rounds including the online test.

**Round 1:** An online multiple choice test which included:

Basic quantitative (easy to medium level) , logical, technical (mostly guess the output) questions. There were approximately 40 questions.

**Round 2:** Technical Interview(45 mins approximately)

- Give a short introduction
- Questions related to Data Structures, OOP, Logical Questions, Machine Learning Algorithms used in project
- Example:
  - Difference between procedural language and object oriented

- Features of OOP ( Abstraction, Inheritance, Encapsulation, Polymorphism) with example
- A problem statement is given and you have to give possible solution (mention which data structure is suitable and why, write pseudo code also)
- Logical question: Use any operations but only 3 zeroes to get 6 as the answer (Ans:  $(0!+0!+0!)!=6$ )
- The accuracy of the algorithms used in the project. What measures to take to improve it.

### **Round 3 : Managerial Round (15 mins approx.)**

- Introduction
- Explain your projects in detail
- Questions related to projects
- Apart from this if they find anything interesting in your resume (mostly internships)

### **Links for reference:**

- <https://www.geeksforgeeks.org/mercedes-benz-research-and-development-india-interview-experience-for-graduate-engineer-trainee-on-campus-2022/>
- Guess the output series on geeksforgeeks and other platforms on youtube <https://www.geeksforgeeks.org/output-of-a-program-set-1/>
- Check out all the geeksforgeeks and medium references related to campus recruitment for MBRDI
- No competitive coding round or questions were asked

**TEJAS NETWORK**  
**INTERVIEW EXPERIENCE**

### **Brief Abt Company:**

Tejas Networks is an optical, broadband and data networking products company based in India. The company designs, develops and sells its products to telecom service providers, internet service providers, utilities, security and government entities in 75 countries

### **Eligibility Criteria:**

10th and 12th/Dip 80% minimum in both

8 CGPA in BE and 8 CGPA in M.Tech

### **Number of Rounds: 2 rounds**

Round 1- Online assessment

Round 2- F2F Interview [ Technical + Managerial]

Round 3: HR phone call

### **Round 1 (Online Test):**

This round contained questions from the following topics

- Aptitude like Verbal , Quantitative & Some Logical questions
- Theoretical Networking questions
- Operating system ( both theoretical and numerical)
- Python : MSQs. Difficulty ranging from easy to medium

### **Round 2 (Online Interview)**

The panel consisted of two technical professionals. The round went as follows

1. Asked for my introduction : A very important questions, it being a first impression. Prepare beforehand a 1 to 1.5 min introduction telling about your education, your activity during the college years that will match the qualities as mentioned in the job description. Your interests. Try to introduce yourself using the keywords that are mentioned in the job description.

A brief summary about the projects undertaken, competitions participated. Your technical proficiency (most preferably the skills mentioned in job description)

2. Asked about the projects that I had mentioned in the resume. Specifically asked if I have done any hardware/microcontroller based project. Asked to explain about the implementation

3. Theoretical questions were asked from subjects like Operating system, Networking, Python and basic physics as mentioned below

- What is semaphore
- What is deadlock and methods to avoid deadlock
- Classes of the IP
- Difference between router and switch
- What is Address Resolution Protocol (ARP)
- About optical fibre like working principle (Total internal reflection), basic construction, medium of transmission
- What device is used to transmit signal in optical fibre : Laser

4. Asked to code fibonacci series using python by presenting screen

### **Round 3 HR phone call:**

- A brief phone call. Not an interview call rather a confirmation call informing you that you are selected.
- Asked about my interview experience round1 and round2

**Tips :**

- JD is your bible. Read it thoroughly. Prepare your resume, non technical answers around job description.
- Lastly, self confidence is the key.

ALL THE BEST

Amanullakhan Punekar

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FALABELLA  
INTERVIEW EXPERIENCE

## **Chapter 1: Description of the company**

### **Falabella Group**

**Falabella** is a Chilean multinational company. It is the largest retail company in Chile followed by Cencosud and one of the largest in Latin America. It operates its flagship Falabella department stores in addition to Mall Plaza shopping centers, Tottus hyper & supermarkets, Banco Falabella banks, and Sodimac home improvement centers. The company has 491 stores and 42 shopping malls. The stores are divided into 111 department stores branded as Falabella, 251 home improvement stores under the brand Sodimac and 129 supermarkets branded as Tottus. In Peru the company owned the **Saga Falabella**, listed in the Lima Stock Exchange. It was renamed to Falabella in 2018. The company is a leading Chilean retailer of apparel, accessories and household products distribution through department stores, specialty stores and malls; the company distributes food through hyper and supermarkets. In addition, the company manufactures textile fabrics and offers financial services (issuance of credit cards, insurance brokerage, bank and travel agency) through CMR (credit cards) and through Banco Falabella. The company primarily operates in markets outside of Chile such as Argentina, Peru and Colombia. It is headquartered in Santiago.

### **Falabella India**

Falabella India is a diverse, innovation-driven, multi-cultural team, dedicated to paving better customer journeys by leveraging the latest tech. We are proud flag bearers of a 130-year old legacy — one that stresses on upholding values, embracing change, and caring for the communities around us. Falabella India brings the best of technology, talent, and progressive leaders to help code the future of Falabella. Together we're building the digital retail backbone for the Falabella Group, reimagining customer experiences in an increasingly online world. We leverage the legacy of our parent company while inculcating a startup mindset to unify, connect, and bridge our customers across the planet. Falabella is one big multicultural family. Falabella works on cutting edge technologies and learn new tech languages, Falabella is also a community invested in the professional and personal growth of all our people and seek to actively nurture their development. We live our values in everything we do, whether work, play, and anything in between. Falabella believes in a flat organization that upholds transparency across the board — this is the foundation upon which we thrive and grow.

### **Falabella Business**

#### **Falabella Retail**

With presence in Chile, Peru, Colombia, and Argentina, Falabella is the largest retail platform in Latin America, represented through large stores, both physical and online, where it sells products for personal and household use, featuring strong private labels, exclusive international brands, as well as local and second-class brands.

## **Home Improvement**

With presence in Chile, Peru, Argentina, Colombia, Uruguay, Brazil, and Mexico, Sodimac is the main commercial company for construction materials and articles for home improvement in Latin America. It has developed a business model with different store formats (Sodimac Homecenter, Sodimac Constructor, Imperial, Homy, Dicico, Sodimac Dicico, and Maestro) to support companies, specialized labor and families, in their projects.

## **Supermarkets**

Tottus commenced operations in Peru in 2002 and two years later expanded into Chile. It operates hypermarkets, supermarkets, Hiper Bodega Precio Uno in Peru (convenient price format) and has an e-commerce platform.

## **Falabella Financiero**

With presence in Chile, Peru, Colombia, Argentina, and recently in Mexico, Falabella Financiero is the largest issuer of credit cards in Chile and Peru. Founded in 1989 with the aim of offering credit access to department store customers, it has evolved into a comprehensive provider that also includes banking, insurance, and travel services.

## **Retailment**

Falabella S.A. operates and manages shopping centers in Chile, Peru, and Colombia, through two companies:

**Mallplaza**, which operates in Chile, Peru, and Colombia, is one of the main shopping center chains in Latin America, thanks to its comprehensive value proposal, which combines commitment with the communities, concern for the environment, and a strong link with the dissemination of culture

**Falabella Inmobiliario**, which is present in Chile (through Rentas Falabella) and Peru, operates smaller scale shopping centers, with an attractive range of anchors, smaller stores, and entertainment.

## **Chapter 2: Eligibility criteria**

- Candidate must be from Computer Science or related branches (CSE, ISE, ENC) with a strong academic performance having a minimum of 60% average across semesters.
- Candidate with proficiency in programming languages like Java, JavaScript (Both server side and client side), Python, C++, .NET

- Strong analytical skills. Candidate with a penchant for solving complex programming problems is appreciated.
- Contribution to open source projects or experience working with open-source ecosystems will be a good addition to have.
- Knowledge of Data Structures and Algorithms , Team player and ability to communicate with multi-cultural teams.
- Proactive attitude on identifying problems and providing solutions.Curiosity, Creativity and innovative thinking is appreciated.

## Chapter 3: Placement Rounds

There were a total of three rounds,which is as follows:

- **Round 1 (Campus Placement Day):**

- Aptitude test - The concepts taught in Bizotic classes are sufficient to clear the Aptitude test.
- It also had a section related to technical questions where questions related to database,OS,data structure,OOPs were asked. Basic knowledge about these concepts is enough to ace this section.
- Coding questions-Practice of HackerRank's medium level Problem Solving questions and the appropriate use of data structures while coding would be enough for the candidate to ace the coding questions.
- This youtube channel provides important techniques for aptitude and logical reasoning. [https://www.youtube.com/results?search\\_query=carrier+ride](https://www.youtube.com/results?search_query=carrier+ride)
- These are some sample coding questions, practicing them will help

Array:<https://www.geeksforgeeks.org/top-50-array-coding-problems-for-interviews>

Strings:<https://www.geeksforgeeks.org/top-50-string-coding-problems-for-interviews>

- **Round 2 (Pre-Campus Day):**

**eLitmus pH Test-** It has a decent difficulty level.It is an aptitude test consisting of multiple choice questions in 3 sections as Quantitative Aptitude, Verbal Ability, Analytical Reasoning.Each section has 20 questions for 200 marks. Hence, each question carries 10 marks each. The total marks allotted for 60 questions are 600. The candidate has to solve these 60 questions in the time duration of 2 hours.The negative marking scheme of eLitmus pH test is also unique. In eLitmus pH test, every wrong answer carries negative marks in certain cases. The marks reduced will depend on the candidates' performance.If more than 25% of the questions attempted are wrong, then, a negative marking of 0.5 is deducted from the total marks scored by the candidate.If less than or equal to 25% of the questions attempted are wrong, then no marks are deducted.There are many model eLitmus papers available on Internet, practicing them would help.One can access additional information about the elitmus test and practice question papers by visiting <https://www.elitmus.com/>.

- **Round 3 (Campus day) :** HR and Technical Interview.

The technical interview questions were related to the following subjects:

➤ **Data Structures:**

Stack,Queue,linkedList is a must and be well versed with Trees,Graph and their operations.Practice data structures coding questions from leet code or hacker rank.

➤ **Data Algorithms :**

Basic Searching and Sorting Algorithms with their complexity is a must and also be acquainted with backtracking & dynamic programming concepts.

➤ **DBMS:**

Be familiar with the basics of DBMS and practice different kinds of SQL queries.

➤ **Unix commands:**

Unix concepts are not that important comparatively but have an idea about basic commands used in unix. This link might help with the revision of unix concepts.<https://www.interviewbit.com/unix-interview-questions/>

➤ **OOPs concept:**

Complete knowledge of OOPs features and its implementation in any one of object oriented programming languages( For eg: Inheritance, Abstract Classes and Interface in Java).

➤ **Operating System:**

Be well revised with concepts like Deadlock,Threads, Synchronization, Race condition and so on.

➤ **Computer Networks:**

Knowledge of basic networking concepts and complete understanding of OSI/TCP model is sufficient.

➤ **Technologies you have worked with:**

You can also be asked questions on the domains and technology stack you have used For example React and NodeJS

Apart from theory questions there will always be questions asked from your projects and past internship experience mentioned in your resume. This will serve towards getting those extra brownie points in the interview. In case you don't have any projects to mention in your resume, make sure you add your mini/major academic projects.

## Chapter 4: Important tips

- Have complete knowledge about the things you have added in your Resume.
- Know your contribution in group project and also be aware of your team members' work.
- Make sure all your projects are uploaded in Github and aware of basic git commands.
- If you don't know an answer to any particular question, you don't have to beat around the bush just be honest.
- Don't get disheartened if you can't make it. Placements can be unpredictable at times, So just keep trying maybe something better is waiting for you.

## Contact Info:

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Naman Mehta

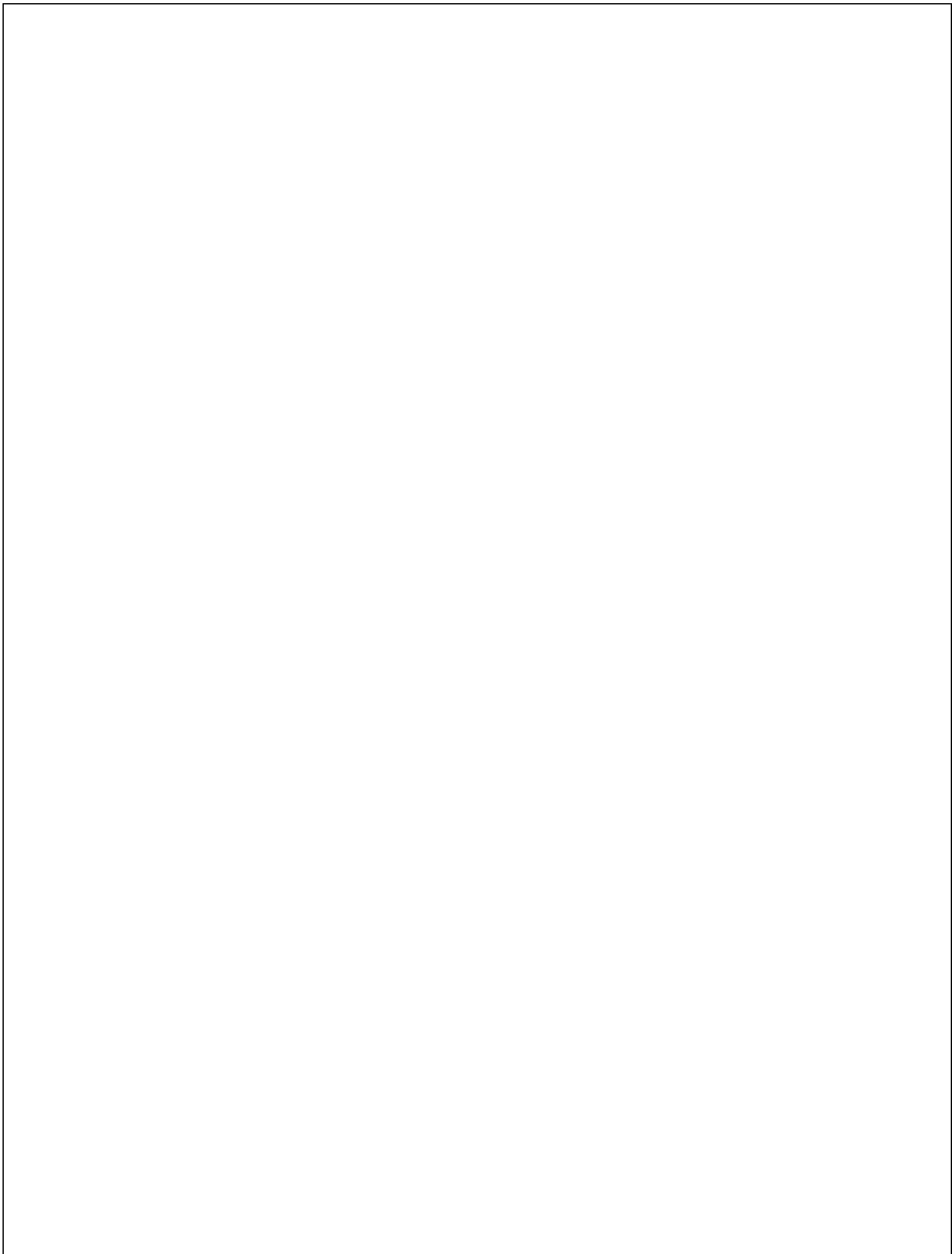
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PERSISTANT  
INTERVIEW EXPERIENCE



Interview  
Experience  
With



# We are Persistent.

A trusted global solutions partner, delivering digital business acceleration, enterprise modernization and next-generation product engineering.

By:

Sagar Talagatti (2018-2022 batch)

Post: Software Engineer

## **Table of Contents**

<b>S. No.</b>	<b>Topic</b>	<b>Page No</b>
1	About The Company	1
2	Eligibility Criteria and Package Offered	2
3	Test and Interview Experience	3
4	Preparation Tips	5

## About The Company

Persistent Systems is a trusted Digital Engineering and Enterprise Modernization partner, combining deep technical expertise and industry experience to help their clients anticipate what's next and take action. Their offerings, proven solutions and innovative partner ecosystem create unique competitive advantage for their clients by giving them the power to see beyond and rise above.

The company works with many industry leading organizations across 18 countries - including 14 of the 30 most innovative US companies, 80% of the largest banks in the US and India, and numerous innovators across the healthcare ecosystem. In addition, they are recognized across the industry as the market leaders from delivery and customer excellence, as rated by ISG (2020 and 2021 ISG Star of Excellence Awards).

At Persistent, their values are more than a list of ideals to improve their corporate image. They're dedicated to building an inclusive culture that reflects what's important to their employees and is based on what they value. They provide a people centric work environment that enables their employees to:

- Accelerate growth, both professionally and personally.
- Impact the world in powerful, positive ways, using the latest technologies.
- Enjoy collaborative innovation, with diversity and work-life wellbeing at the core
- Unlock global opportunities to work and learn with the industry's best.

As a result, 95% of their employees approve of the CEO and 83% recommend working at Persistent to a friend.

<b>Website</b>	<a href="http://www.persistent.com">http://www.persistent.com</a>
<b>Industries</b>	IT Services and IT Consulting
<b>Company size</b>	10,001+ employees
<b>Headquarters</b>	Pune, Maharashtra
<b>Type</b>	Public Company
<b>Founded</b>	1990
<b>Specialties</b>	Digital Transformation, Digital Business Strategy , CX Innovation & Optimization (SFDC), Digital Product Engineering (ISV), Data-Driven Business & Intelligence, Core IT Modernization , and Identity, Access and Privacy Management

For more information, visit the company website.

## **Eligibility Criteria and Package Offered**

Qualification:

BE (CS, IS, EC,EE)

Eligibility Criteria (May be subject to change as per company requirements):

60% and above in 10<sup>th</sup>/12<sup>th</sup>/Diploma, 6 CGPA and above in B.E.

No active backlogs.

Skills Required:

1. Proficiency in programming languages like C/C++/Java/Python.
2. Solid understanding of object-oriented design, data structures and algorithms.
3. Good interpersonal and communication skills.
4. Good analytical and problem-solving skills.
5. Planning and organizational skills to balance and prioritize work.
6. Ability to work independently and as part of a team.
7. Willing to learn new technologies and adapt to changing business needs.

Package Offered:

1. Navayuva – 4.71LPA
2. Viveka – 7.5LPA
3. Srujana – 9LPA

## **Test and Interview Experience**

### **Round 1(Online Test):**

This test is conducted on AMCAT platform. There is a mix of aptitude, technical and verbal questions. The round was fairly easy and can be cracked provided one is in touch with the subjects and practices regularly. At the end of these MCQ questions, there were 2 coding questions of which one was quite easy and the other one was of moderate difficulty. Sound knowledge of DS and Algos and some logic helps to solve these questions. If you perform great in this test, you will be eligible to attend Advanced Coding Round (explained next). However, even if you perform just well enough, you will still be called for the 4.71LPA interview.

### **Round 2(Advanced Coding Round):**

This round is conducted only for those applicants who perform really well in the first round. This round, if cleared makes you eligible for the interview of second highest package of 7LPA. However, attempting it and failing doesn't mean that you are out of the selection process, you will still be considered for the 4.71 LPA interview. As the name suggests, it was an advanced level coding round. The questions were of hard level and were not easy to solve. Unfortunately, I couldn't clear this round and was selected for the 4.71 LPA round.

### **Round 3(Technical Interview):**

This was a virtual interview again scheduled on AMCAT platform. I greeted the interviewer and the process began with the interviewer asking me some general questions like a brief intro, my hobbies and other skills/achievements. Then she moved on to putting up a coding question on the editor. It was "Given 2 integers a and b, print all the prime numbers that lie between them". A fairly easy question which was solved in few minutes. Then she put up a second question which required printing a pyramid pattern using \*. Even this was an easy question. Then she moved on to ask a puzzle "Given a 3 ltr jug and a 5 ltr jug only, how do you measure 7 ltr of water, given that there is infinite amount of water available?". Again, an easy one as these types were covered in Bizotic training. Next, she moved on to ask about OOPS concepts with examples, questions on polymorphism (static & dynamic), method overloading/overriding with differences, use of try catch finally, lambda functions in python etc... A few questions were asked on DBMS like what are the types of constraints, which RDBMS systems I could work on (like MySQL, Oracle etc...). And that was all. The interviewer then said that the HR manager would mail me in case I'm selected for the next round.

#### Round 4(HR Interview Assessment followed by HR Interview):

This was the last round. First, I received a mail instructing me to complete an online HR assessment which consisted of few HR and workstyle related MCQ questions. This takes about 20-30 minutes. Nothing to worry in here, just be truthful in your responses and that's all. Next, I received a mail stating that an HR interview is scheduled. Me and the HR manager exchanged greetings and she began by asking me about myself and my family, my hobbies, my soft skills, strengths and weaknesses. Then she asked me a question "Imagine that a big investor gives you about a million dollars to develop a software to solve some problems that most of the people face on a daily basis, how would you approach this task?". Typically, few minutes are provided to make up your mind and then you must try your best to convince that you are following the right approach. Do not try to give fake replies over here because they are well experienced in detecting lies and do not like people who aren't genuine by nature. If you don't know something or are not sure, just speak it out, don't try to fake it because then you will be caught off-guard. Then she asked me whether I was okay with working overtime if needed and was I willing to relocate. Obviously, say yes to whatever is reasonable and if something seems too stringent, try to convince them but do not argue. I cleared this round by leaving a good impression on the interviewer.

A few days after the last round, I received the offer letter confirming my selection for the role of Software Engineer with a CTC of 4.71LPA.

## **Preparation Tips**

For aptitude: Attend all Bizotic classes and practice their assignments with full concentration. There is no substitute to practice, practice, practice if you want to master it. Try to be good at shortcuts and other tricks.

Technical questions: Be good at Data Structures, Algorithms, Databases, Operating Systems and Software Engineering. Have thorough knowledge of at least one OOP language like Java/Python/C++. In depth knowledge of OOP concepts is a must in any software company test and interview.

Coding: Practice as many programs as you can and always try to write the most efficient code to solve the problem as some platforms show a time limit error for some test cases if your code is not efficient. Read the problem statement 2-3 times before jumping into coding. Understand the question, identify which DS is most appropriate, which algo to use, what may be extreme cases and so on analyze the problem. If you understand the problem thoroughly, writing code takes less time provided you have good knowledge of the programming language. Practice problems on LeetCode, HackerRank, HackerEarth.

Resume: Resume is very important. The recruiters see your resume before they see you in person. Therefore, its very important to have an attractive resume that convinces the recruiters that you would be really good for their organization. Do not fake in your resume. Faking in resume may lead you into trouble because most of the times, some of the interview questions will be based on what you enter in your resume, and faking gets you caught off-guard. Many students put up fake projects in their resume and are not able to explain a single word about it. Even if you have done a simple project, include it instead of a fake complex project as you can fully explain your own project despite it being simple.

**Wish you all the best!!!**

**May you get selected in your dream company**

# **Interview experience with persistent systems(base package)**

Kalashri Patil

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## **Total 3 rounds**

### Round 1 – Online test

Topics in the test:

- 1.Basic Aptitude questions - quants, reasoning
- 2.English Vocabulary
- 3.Technical questions
4. Easy level 2 coding question

### Round 2 – Technical virtual Interview

Time : 1 hour

Interviewer : 1

Below are some questions that was asked in Interview

- Tell me about yourself
- Tell me About your project and some questions on projects
- What is stack and queue and What is the difference between them? Types of queues in data structure
- 2 coding questions
  - <https://www.geeksforgeeks.org/python-program-to-swap-two-numbers-without-using-third-variable/>
  - <https://www.geeksforgeeks.org/add-two-numbers-represented-by-linked-lists/>
- Questions on DBMS and Basic SQL queries
- What is ACID property of DBMS
- Two logic puzzles – This will be the standard questions and easily available on Google
  - The minimum number of cuts required to cut a cake in 8 equal pieces. **Answer: 3**
  - You're at a fork in the road in which one direction leads to the City of Lies (where everyone always lies) and the other to the City of Truth (where everyone always tells the truth). There's a person at the fork who lives in one of the cities, but you're not sure which one. What question could you ask the person to find out which road leads to the City of Truth?

**Answer:** “Which direction do you live?” Someone from the City of Lies will lie and point to the City of Truth; someone from the City of Truth would tell the truth and also point to the City of Truth.

Resource- <https://parade.com/970343/parade/logic-puzzles/>

### Round 3 – HR (online)

It was web proctored test has HR basics questions there was no timer.

Tips :

To solve any basic coding question in any placement drive you will need practice so start practicing on Hackerrank ,leetcode.Start with basic to advance

Resource to start your journey of coding

<https://docs.google.com/document/d/1RxKKXJtErQFJjMfAh1kV-DyQsZoiESayimFx6PPIhVE/edit>

Computer science fundamental notes

<https://drive.google.com/drive/folders/1OtidOaOgj2uRRGT5vNWmKUMZxout7Ktl?usp=sharing>

# INTERVIEW EXPERIENCE - PERSISTENT SYSTEMS

Urvashi Sharma

 <https://www.linkedin.com/in/urvashi-sharma-7324561a2/>



# Persistent

## See Beyond, Rise Above

### Detailed Interview Experience

Firstly, I do not have an exemplary memory so I apologize for not being able to list down every detail of this process but I will try my best to lay down whatever I remember.

As the reader may know, Persistent Systems has different packages that they offer during their recruitment process. The better you perform, the higher package you may get.

- It starts with basic online tests. The test is split into objective, subjective and coding sections (You can find more about these sections [here](#)). The objective section includes basic English, Aptitude and Logical type questions. The subjective section includes Coding questions. And finally, the Advanced Coding section has high difficulty coding questions. The third section is optional and is to be attempted if you wish to acquire a higher package.
- The difficulty levels of Objective and Subjective sections is medium and that of Advanced Coding round is high. The coding questions in the Subjective section may be limited to arrays

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at most while the Advanced Coding section may include more complicated data structures like 2D arrays.

- I do not remember the questions asked but I do remember that the Advanced Coding round had some hidden test cases and that your coding approach was to be observed. So, it doesn't matter whether or not your code passes all test cases, it should pass as many as possible. The more, the merrier!

I ended up clearing all three of these rounds and was to attend a Technical Interview for a higher package. Following is my technical interview experience that I do remember parts of:

- The interviewer was highly professional with an experience of around 20 years.
- It started off with my introduction and some talk about the projects I mentioned in my resume.
- Next, he asked me some Computer Science related questions like definitions for Abstraction, Polymorphism. I answered with the textbook definitions of both and gave some explanation in my understanding. He also asked me if I knew what Templates were in C++, to which I said I only had a basic understanding of what they were and not the exact definition.
- Moving on, he said he was going to type in some aptitude questions in the chat and I had around 10-15 seconds to solve each of them, following which, I would have to type in my answer and explain to him in brief how I reached the answer. I responded to all of them correctly.
- Further, he said he would put some code snippets in the chat and I would have to predict the output or point out the errors, if any. The code snippets were all in C/C++ and were related to functions, pointers or basic logic. He was satisfied with my answers.
- Finally, he gave me 10 minutes to write a code to sort a Singly Linked List. I didn't have to share my screen but code it in 10 minutes and share it over chat.
- I quickly typed the code and shared it in the chat, after which, I had to go over the code line-by-line and explain it to him.
- He was really happy with my code and the overall interview. I do not remember exactly how long the interview lasted as I had around 5 interviews that day but I guess it was around 60 minutes.
- As evident, most of my interview was based on C/C++ and Data Structures.

I cleared the Technical Interview as well, acquiring the 7.5lpa package, but unfortunately, I was already placed in a different company by the time the results came out. But I do know that the next Advanced Coding round for an even higher package (around 9lpa) is of a higher difficulty with data structures like Graphs and algorithm knowledge like Djikstra's Shortest Path to expect. I hope whoever is attending these rounds will prepare well.

You will need to practice aptitude and coding questions as well as read computer science related topics like Data Structures.

All the best!

# Interview Experience with Persistent Systems

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Omkar Revankar



**Persistent**  
See Beyond, Rise Above

# Table of Contents

S.no	Title	Page no
01	Eligibility Criteria	3
02	About Company	4
03	Interview Experience	5
04	How to prepare	10

# Eligibility Criteria

- Job Description:
  - Digital strategy and design to create a consistently relevant strategy.
  - Software engineering services to architect, design, develop and manage your product lifecycle end-to-end.
  - **CX transformation** to create a solid foundation for your digital transformation.
  - Cloud and Infrastructure.
- **Skills Required:**
  - Good programming skills in language like C, java and python.
  - Clear knowledge on Data Structures and algorithms, Object oriented concepts.
  - Thorough understanding of Database management system.
  - Knowledge of Database Programming language.
  - Good analytical and problem-solving skills.
  - Knowledge in software development life cycle.
- Qualifications:
  - BE(CS, IS, EC and EE)
  - CGPA- 6 above
  - 10<sup>th</sup>/12<sup>th</sup> -60% above
- Compensation details: Differential Package
  - Srujana - 9 LPA
  - Viveka - 7.5 LPA
  - Navayuva - 4.71 LPA

## About Company

Incorporated in 1990, Persistent is a multinational company that has been delivering enterprise modernization, digital business acceleration, and next-generation product engineering solutions worldwide for over 25 years.

The company is striving to build an inclusive culture based on what employees' value and reflect on what's important to them. Having an inclusive culture enables employees to grow professionally and personally, utilize the latest technology to positively impact the world, experience collaborative innovation while keeping diversity and work-life balance at the forefront, and have access to global opportunities to learn and work with the industry's best. Competitive salaries, new technologies, and job security; are all at your fingertips!

Persistent Systems And Solutions Limited is a Public incorporated on 22 May 2008. It is classified as Non-govt company and is registered at Registrar of Companies, Pune. Its authorized share capital is Rs. 100,000,000 and its paid-up capital is Rs. 14,500,000. It is involved in Other computer related activities [for example maintenance of websites of other firms/ creation of multimedia presentations for other firms etc.]

Directors of Persistent Systems And Solutions Limited are Rajesh Bhimrao Ghonasgi, Anand Suresh Deshpande, Nitin Govind Kulkarni.

# Interview Experience

- Candidates go through three rounds of interviews that assess both their technical and analytical skills.
- **Round 1:** Online/Aptitude Test
- **Round 2:** Technical Interview
- **Round 3:** HR Interview

## 1. Aptitude/Online Test:

- At Persistent, the online/aptitude assessment round usually consists of 3-4 sections: Computer Science, English, Logical, and Quantitative. In this MCQ round, you will be tested on CSE Subjects, Operating Systems, Computer Networks, Database Management Systems, Database Security, Programming, and simple coding skills. In addition, you will be tested on Data Interpretation, puzzles, reasoning, numerical aptitude, and English.
- Depending on the platform on which the test is conducted, the pattern varies.

## **2. Technical Interview Round:**

- Candidates who are shortlisted after the Persistent Online test will then be invited to the Persistent Technical Interview. In technical interviews, questions are designed to assess your level of technical knowledge and how well you are able to deal with conflict and challenge situations specific to the position you are interviewing for. You can expect a wide range of questions, from technical to brainteasers to problem-solving skills. So, you should be ready for every scenario.
- During the interview, you will be asked questions pertaining to programming languages you are proficient in, such as C, C++, Java, Ruby, Pearl, Python, etc., and computer fundamentals, such as Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN), Object-Oriented Programming Systems (OOPs), Data Structures and Algorithms (DSA), SQL, etc.
- Additionally, the interviewer will ask you about your past projects and experiences, how you handled obstacles and the effectiveness of your projects.
- In this round, you will need to resolve persistent coding questions related to C, DSA, DBMS, etc. In looking at how a candidate solves a given challenge, employers gain a sense of how you might solve a real-world problem in the workplace. During the round, you may need to solve puzzles as well.

- My interview started with a brief introduction of myself.
- I was asked about the projects that I had mentioned in resume and asked to explain the purpose for choosing the project.
- Some questions were also based on SQL language, Algorithms and data structure as I had mentioned in resume.
- I was asked to do pen & paper work to demonstrate the algorithm and its complexities.
- Some pseudocodes were displayed by interviewer, and I was asked to identify the errors.
- During my Interview, I was asked to code for a problem statement and had to explain my approach. The problem statement was regarding arrays and tree data structure.
- He asked me to share my screen and write the errorless code.
- Almost all the questions were answered and coded for most of the problem statements asked.
- The interviewer asked me about the non-technical skills.
- Some puzzles were asked to solve.
- After the puzzle round, I was selected for next round.

## **2.1 Coding Round(Round 2):**

- After completing technical interview, I was selected for “Viveka” Package round.
- This round was just a coding round where, I was supposed to solve 2 Problem statements in 1.5hours. The problem statement are of higher level than the first held round.
- The problem statements were based on application of data structure and algorithms.
- After completing the coding round, I was selected for the Viveka package.
- Similarly, after the round 2, they select for “Srujana” package. The level of problems is increased and expected to clear the coding round.

### **3. HR Interview Round:**

- A good academic record and technical skills alone are not enough to gain employment. Generally, the HR round is the last in any company's recruitment process, but it is perhaps the most important. As part of this round, hiring managers will evaluate candidates' personalities, strengths, and weaknesses, communication skills, and reasoning abilities. Additionally, you can expect to be asked a few general behavioral questions so the interviewer can get familiar with you and determine if your personality and behavioral traits are good matches for the company. A prospective employee should be aware of the company's leadership principles and vision prior to attending an HR interview. Listed below are some of the most common Persistent HR interview questions.
- The HR round held for me was automated round(Web Proctored). I had to answer 50 questions which was not done by human intervention. These questions were not related to academics. All the questions were purely based on real time situations, and I was supposed to answer with regards to the options displayed. All the questions were just to analyze the strengths, personality, behaviour of employee.

## How To Prepare

- Aptitude preparation:

- English
- Quantitative
- OOPs
- Data Structure and Algorithms
- Computer networks
- Operating Systems
- Software Engineering
- Database management system, Normalization
- Pattern coding, Arrays, Tree, BFS, DFS, Sorting Algorithms, Searching Algorithms

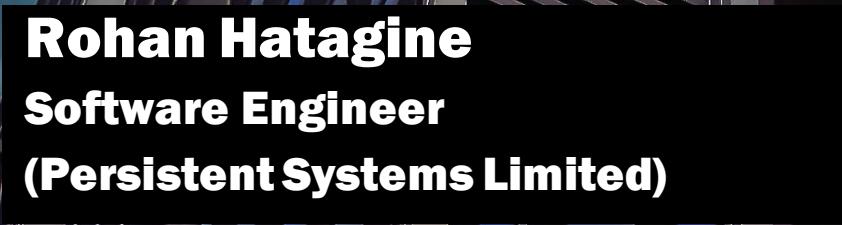
- \* Quick links:

- [Persistent Interview Questions | Interview Experience \(2022\) – InterviewBit](#)
- [Persistent Placement Papers PDF 2022 | Preplinsta](#)



# Interview Experience with

## Persistent Systems Ltd



**Rohan Hatagine**  
**Software Engineer**  
**(Persistent Systems Limited)**

# Title of Contents

S.NO	Title	Page No
01	About Company	03
02	Eligibility Criteria	04
03	Detailed Interview Experience	05
04	How to Prepare	07
05	Standard Coding Questions (Basic to Advanced Level)	08

# Eligibility Criteria

## Job Description :

Participate in design and development activities of software development

- Design and deliver efficient and scalable data solutions
- Design prototypes / proof of concepts
- Contribute to/ propose innovative design ideas and solutions
- Pro-actively get issues/problems resolved
- Interact with stakeholders to understand their analytics needs & requirements for designing the products /solutions.

## Skills Required:

1. Good Knowledge in programming languages like Java & Python  
Or one object oriented language
2. Solid understanding of object oriented design, data structures and algorithms.
3. Good Interpersonal skills and communication skills
4. Good analytical and problem solving skills
5. Planning and organizational skills to balance and prioritize work
6. Ability to work independently and as part of a team

## Qualifications :

CS/IS/EC/EE students with 60% in 10th/12th/Dip & 6 CGPA in BE.  
No active backlog.

## Compensation details :-

### Differential Package:

- Srujana - 9 LPA
- Viveka - 7.5 LPA
- Navayuva - 4.71 LPA (for one which I've been selected)

# About Company

Persistent Systems is an Indian multinational technology services company which was incorporated on 16 May 1990 as Persistent Systems Private Limited.

## Industry Expertise and Solutions

- Banking & Financial Services
- Insurance
- Healthcare
- Life Sciences
- Industrial
- Software & Hi-Tech
- Telecom & Media Systems.

## Service Lines

- Digital Strategy & DesignSoftware
- Product Engineering
- CX Transformation
- Cloud & Infrastructure
- Intelligent Automation
- Enterprise IT Security
- Data & Analytics
- Enterprise Applications & Integration

Read more on Company's official [Website](#)

I have given this information cause you guys can read out about the company in which industries they are working in and services they provide. you can put out your thoughts in Interview about on how you specifically know about some role(like you are interested in python want to work in data analytics) and you can help to provide value in that area.

Some of the tracks which have been assigned after selection. for training. (these tracks/capacity might change based on companies business requirements)

- Sales-Force
- UI-Angular-React
- SDET
- Python-BigData
- Java(for which I've was assigned)(only backend development)
- Java Fullstack(frontend+backend)
- .Net
- C++

# Detailed Interview Experience

## Round 1 (Online Round):

It was an Online Aptitude and Programming Test with a total of 45 questions to be done in 60 mins. There were 3 sections

- 1) Aptitude & English grammar - 25 questions
- 2) Programming - 10 questions
- 3) DS,DBMS&OS concepts - 10 questions

No marks deducted for wrong answer.

The aptitude questions were easy and programming questions required basic knowledge of the programming constructs like loops, condition statements. You need to study basics of DS,DBMS, and os.

### 2<sup>nd</sup> Section(Coding)

I answered all coding questions(2 were given) and got output(passed all cases).I was selected for the second round.

You guys can solve coding questions on HackerRank(basic and intermediate) to tackle questions on coding and programming.(you guys have to practice intermediate and advance type of questions if you are competing for 7.5LPA and 9LPA)

Although I think I solved aptitude section perfectly I wasn't selected for advance coding round which was for 7.5 LPA and 9 LPA. I was selected for technical round for 4.7 LPA.

## Round 2 (Technical Round - 30-35 minutes):

My interview was scheduled for 45 minutes but it went for about 30-35 minutes. It started with a brief introduction about myself, then the interviewer asked me questions from my resume like about my projects and hobbies. After this, the following questions were asked: (I remember some questions)

- What are pointers? He asked me to explain them along with the code.
- Difference between structure and unions and their code implementation.
- What is call by value and call by reference?
- Questions on resume, projects

- she asked if there are questions from my side (I asked about the role and feedback for myself)
- Then she further took the discussion towards operating systems, oops concepts, and programming fundamentals. Later on she asked me to share my code editor and write code. Question was very basic I solved it in python.

Even if you guys won't be able to code it try it for bit time and start explaining the algorithm or steps in you can solve that question so interviewer can understand. I was stuck with coding question but she said it's ok we can continue as I explained her steps in which I can solve.

Mostly discussion went on the projects I made and I elaborated about which technologies I used to implement them. You guys can elaborate about your course projects too.

Even though it was technical round I was asked some HR type questions which are typical one. You guys can find them in internet.

Little secret (thought might be helpful):

{

Remember guys as I earlier mentioned the tracks were assigned to us after selected for company for basic training.

Technical tracks are important because normally after been assigning to the tracks we can't change them. Most likely they will send survey to know more about your expertise in technical area after selection. For example, they us asked about certifications you've done during grad education. If you've done standard certifications like from google,Microsoft,aws,oracle or any other certifications then put out them so they can assign tracks most suitable for you and based on your interest(though they might say they are assigning tracks randomly).

After basic training, you'll be assigned with one business unit(BU) based on technical trainings you've been trained on for example I was trained on JAVA track(training) so I got DATA Practice Business unit which mostly works with Apache spark technology and AWS data bricks(you'll be trained on these technologies too).

}

## Round 3 (HR Round)(4.7 LPA):

There was no face to face HR round they sent one Survey which had multiple choice questions. Most likely everyone will pass this round as the questions are fairly easy and the questions merely didn't have any right or wrong answer as such but questions to check how you respond to questions like on team building, what do you do in particular situation of problem solving you will face and questions to test out your personality and psyche.

## Preparation Tips

- tackling the 4.7 LPA won't be that difficult if you have basic knowledge of coding and have grasp on basics of DBMS,OS and Oops. I would highly suggest to be prepared with advance coding questions so getting 7.5 or higher package won't be much harder.
- Prepare some points about project you've worked on so you can summarize the project way better.
- Know about company before hand like who's CEO and which services they provide, industry and locations the company works in/from.
- Put technical certifications wherever required if you've done.

# **Standard Coding Questions (Basic to Advanced Level):**

## **Basic Programs:**

### **Decision Making and Branching constructs**

- Write a C program for the following scenario: A telecom service provider offers recharge discount of Rs. 100 for using GPay wallet, Rs. 50 for using Phone Pe wallet and Rs. 200 for using Axis Bank credit card only if in all cases the recharge amount is more than Rs. 499. Program must accept the Recharge amount and mode of payment. The net amount to be paid must be the output of the program.
- Suppose the postal rates for mailing letters are as follows
  - Rs. 0.50 per 10 grams for the first 50 grams
  - Rs. 0.40 per 10 grams for the next 100 grams
  - Rs. 0.25 per 10 grams for the next 250 grams and
  - Rs. 0.25 per kilograms for the letters weighing more than 400grams

Write a C program that prompts for weight of a letter and prints the postage to be paid

- Write a C program that checks if a given password is strong, weak or moderate as per the rules given below.
  - i) If it contains a combination of digits, alphabets and special characters, then the password is strong.
  - ii) If it contains a combination of only digits and alphabets, then the password is moderate.
  - iii) If it contains only alphabets, then the password is weak.
- A commercial bank accepts fixed deposit from the public. The rates of interest vary depending on the number of days for which the deposits are made. Following are the rates.

30 days to 60 days	6%
61 days to 90 days	6.5%
91 days to 180 days	7%
181 days to 1 year	8%
More than 1 year	8.5%

For senior citizen, 1% additional interest is offered for deposits more than 50,000. Write a program to accept the amount, number of days for which the amount is deposited and the age of the depositor, calculate the amount to be given to the customer after the completion of term of deposit.

- Write a C program to add two complex numbers
- Write a C program to read three sides of triangle. Check whether these sides make triangle. If they make then identify whether it is equilateral or isosceles or scalene.
- A Student has scored marks in three subjects. Write a C program to find out the highest, second highest and third highest marks among the three subjects. Also find the average of first two highest marks.

## Decision Making and Looping Statements

- Write a C program that accepts 60 mobile numbers iteratively. On accepting one mobile number the program must check whether the same ends with an even number or odd number. If even, then the contact belongs to Batch A else the contact belongs to Batch B. The program must output the Number of students in Batch A and Batch B after all the 60 mobile numbers are read.
- Suppose an amount is deposited in a commercial Bank , which pays compound interest at the rate of  $r\%$  annually for  $n$  years . Write a C program that prints the amount in account after each year.
- Write a C program to create a simple gamming application as per the scenario. The admin is asked to select a number between 1 to 10. The user is asked to enter any number. If the number matches the number chosen by the admin then the user wins. The user is given maximum of 3 chances.
- Write a program to generate following pattern

```
1  
2 1 2  
3 2 1 2 3  
4 3 2 1 2 3 4
```

- Write a C program to find Strong Numbers within a range of numbers.
- Write a C program to print following pattern.

```
1  
1 2 1  
1 2 3 2 1  
1 2 3 4 3 2 1
```

- Write a C program to calculate the average height and weight of the entire class and categorise into
  - i) Avg\_Height <5feet.
  - ii) 5 < Avg\_Height < 6
  - iii) Avg\_Weight < 50kg
  - iv) 50 < Avg\_Weight < 75kg

## Single dimension Array

- Write a C program to read a mobile number. Create a single dimension array in such a way that the index location of the array that matches the digit present in the mobile number must be filled with the frequency of that digit in the mobile number. Example if the mobile number is 9945690021 then the array location with index 9 must be filled with 3 as 9 appears 3 times in the mobile number.
- Write a C program that accepts an array , interchanges first element with last element , second element with second last element & so on , finally prints the new array.
- Write a C program to cyclically display the elements of an array for any number of digits.

Sample input: 1 2 3

Sample output: 123 231 312.

- Write a program to find intersection of two arrays a and b with size m and n respectively.

Example:

```
int a[10]={1,2,4,6,7,8,11,12,13,5}
intb[5]={8,12,56,13}
```

Output:

c[10]={8,12,13}

- Write a C program to count the frequencies of elements of a given integer array.
- Write a C program to read n numbers in 1-D array and sum of any consecutive elements present in array. Print the sub-array making sum along with start and end index.
- Write a C program to count the number of vowels in a given words.

## Double dimension Array:

- Write a C program to read Physics, Chemistry and Maths marks of 20 students. The total marks secured must be calculated. The maximum marks per student is 300. The PCM percentage also must be calculated. All this data must be stored in an array. The output is a neat display of data shown as under:

Physics	Chemistry	Maths	Marks Secured	Total Marks	Percentage
52	72	80	204	300	68.00
40	30	50	120	300	40.00

Given a matrix A of order mxn , write a C program to sort even rows in ascending order and odd rows in descending order.

- Write a C program to find the largest and smallest words based on the number of characters in a two dimensional character array without using library functions.
- Annual examination results of 100 students is stored as follows:

Roll No.	Subject 1	Subject 2	Subject 3
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:

Write a program to read the data and determine the following:

- (a) Total marks obtained by each student
- (b) The highest marks in each subject and roll number of the student who secured it.
- c) The student who has secured highest marks(class topper)
- The given are two one dimensional arrays A and B which are sorted in ascending order. Write a C program to merge them into a single sorted array C that contains every element from array A and B, in ascending order.
- Write a C program to store product code and price in 2-D array, calculate the total price for multiple product codes entered from array along with quantity.
- Write a C program to store the students name and USN using 2 dimensional array and display the list.

## String Manipulation:

- Write a C program to sort the characters of a string in ascending order. The string must contain only small case alphabets.

- Write a C program to illustrate input and output of array of strings represented as 2D array of characters. (eg Days in a week or Months in a year)
- Write a C program to remove 3 or more consecutive characters from a string, repeat until there are no more
 

Ex: MNHHHHNNM => MNNNM => MM
- Write a program to find number of occurrences of a word in a string.
- Write a C program which will read a string and rewrite it in the alphabetical order. For example the word STRING should be written as GINRST.
- Write a program in C to print all permutations of a given string using pointers.
- Write a C program to read paragraphs of lines. Count the occurrences of a given word.
- Using String manipulation functions, write a C program to read the name, USN, address and Branch.

### **User Defined Function:**

- Write a program that reads 10 mobile numbers and stores them in an array. Each number must be sorted in ascending order using a sort function. Print the resultant array with all numbers.
- 2. Write a function , say int unit\_digit(int n) that returns the unit digit of a number represented in argument n.
- 3. Write a C program which displays the details of a criminal in the police station. The name of the criminal is sent as the parameter to a function which displays the details of the criminal such as his name, his criminal record, place of birth, the term for which he is held in imprisonment and other details. If the name doesn't match with the existing names then a message should be displayed as "Record not found".
- 4. Write a program to convert a decimal number to its binary equivalent using function.
- 5. Write a C program to perform matrix addition and subtraction using function in following way

i.read\_matrix(int [ ][ ]) to read matrix

ii.operation(int [ ][ ], int) to perform addition / subtraction depending on choice

iii. print\_matrix(int [ ][ ]) to print matrix

- Write a C program to demonstrate the use of Calculator using the user defined functions.

### **Recursion:**

- Write a C program that prints the Sum of first n natural numbers using recursion
- Write a C program to find sum of elements of an array named ‘a’ with ‘n’ elements using recursion.
- Write a C program to print the sum of first n odd numbers using recursion.
- Write a recursive function to implement binary search.
- Write a program in C to check a number is a prime number or not using recursion.
- Write a C program to generate and print first 10 natural numbers along with its sum using recursion
- Write a C program to find the Fibonacci series and also add all the numbers using recursive function.

### **Pointers :**

- Write a program to read 10 numbers using pointers. Accept a number and search whether that number is present in the list. Use Pointer concept while searching.
- Write a program that dynamically allocates memory for an array of size n , reads elements of array & sorts them in ascending order.
- Write a C program that helps a kid to remember alphabets where a character is given as an input and a fruit name or a country name is displayed beginning with that character.
- Write a program using functions and pointers to implement substrptr (char s1[], char s2[]) with two arguments of character array type containing source string (s1)and substring(s2). Function should return an address of a substring in a string if present else a NULL pointer.
- Write a C program to change the value of integer constant using pointer.
- Write a C program to swap two numbers using pointers.

### **Structures:**

- Write a C program to store 10 student records (Name, USN Number, Mobile Number, Address) and sort them by Name in ascending order. Output the sorted records.

- Consider the following declaration

```
Struct Emp{
```

```
    int code;
    char name[20];
    float salary;
};
```

Given that there are n ( $<=50$ ) employees in an organization .Write a program using pointer notation to access the data of an Employee that outputs the details of the employee having highest salary.

- Write a C program for generating bill in a shopping mall. The bill should contain the item description, quantity of items purchased, rate and finally the total amount.
- Define structure by name date with members day, month and year of int type. Perform following:
  - (a) Validate a date
  - (b) if d1 and d2 are two dates, find whether d1 is earlier than d2 or d1 is later than d2 or both are equal.
  - (c) find difference between two dates d1 and d2 in terms of number of days.
- Read information (name, roll no and marks) of 10 students using structures and Write a C program to sort them using roll no in ascending order.
- Write a C Program to read marks of three subjects for 10 students and print them in the order of highest to lowest.
- Write a C program to demonstrate the use of Structure, to read the details of bank customer. The details are i) Cust\_ID, ii) Name iii) Age, iv) Address v) Type of account.

### **Files:**

- Write a C program to merge contents of two files into a third file. Print contents of the third file.
- Given a text file containing some text , write a program that prompts the user to input name of a text file , reads this file and outputs the number of vowels & number of words in the text.
- Write a C program to compare two text files. If corresponding characters are not same then print a message “Files are not same”. Else, display the contents of the either of the files in reverse order.
- Write a program to sort the numbers sorted in a file.

- Write a program in C to count a number of words and characters in a file.
- Write a C program to find the number of lines in a text file.
- Write a C program to read Student USN and compare the value with the data from a file. If the USN is found display that student's details and if not found display appropriate message.

## Advanced Programs ( It includes Programs Topic wise and Company wise ):

**Link: <https://practice.geeksforgeeks.org/topic-tags/>**

(Directly click on the above link to access to the modules)

## Screen-Shots (For Easy Access):

### Topic wise:

The screenshot shows two main sections of the GeeksforGeeks practice platform:

**Data Structures**

<a href="#">Arrays [581]</a>	<a href="#">Strings [365]</a>	<a href="#">Tree [164]</a>
<a href="#">Hash [136]</a>	<a href="#">Matrix [99]</a>	<a href="#">Linked List [93]</a>
<a href="#">Graph [81]</a>	<a href="#">Stack [59]</a>	<a href="#">Binary Search Tree [54]</a>
<a href="#">Queue [33]</a>	<a href="#">Heap [29]</a>	<a href="#">Map [27]</a>
<a href="#">Trie [17]</a>	<a href="#">Segment-Tree [8]</a>	<a href="#">priority-queue [5]</a>
<a href="#">Data Structures [4]</a>	<a href="#">AVL-Tree [1]</a>	

**Algorithms**

<a href="#">Mathematical [584]</a>	<a href="#">Dynamic Programming [239]</a>	<a href="#">Sorting [125]</a>
<a href="#">Bit Magic [121]</a>	<a href="#">Searching [69]</a>	<a href="#">Recursion [59]</a>
<a href="#">Prime Number [53]</a>	<a href="#">Greedy [53]</a>	<a href="#">Numbers [47]</a>
<a href="#">Binary Search [42]</a>	<a href="#">DFS [37]</a>	<a href="#">series [31]</a>
<a href="#">Modular Arithmetic [31]</a>	<a href="#">sieve [30]</a>	<a href="#">Backtracking [28]</a>
<a href="#">BFS [25]</a>	<a href="#">Combinatorial [25]</a>	<a href="#">palindrome [23]</a>
<a href="#">Algorithms [23]</a>	<a href="#">Divide and Conquer [23]</a>	<a href="#">Fibonacci [18]</a>
<a href="#">Geometric [17]</a>	<a href="#">Binary Representation [13]</a>	<a href="#">Game Theory [9]</a>
<a href="#">Merge Sort [4]</a>	<a href="#">Machine Learning [1]</a>	

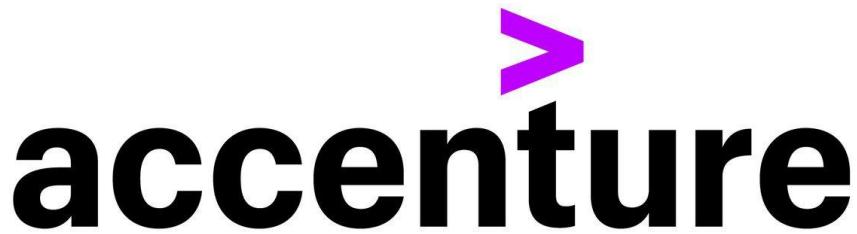
# Company wise:

<b>Popular Company</b>	<a href="#">Amazon [596]</a>	<a href="#">Microsoft [401]</a>	<a href="#">Flipkart [160]</a>
<b>Tags</b>	<a href="#">Adobe [139]</a>	<a href="#">Google [132]</a>	<a href="#">Samsung [115]</a>
<a href="#">Amazon</a>	<a href="#">Accolite [105]</a>	<a href="#">MakeMyTrip [90]</a>	<a href="#">Zoho [77]</a>
<a href="#">Microsoft</a>	<a href="#">Snapdeal [76]</a>	<a href="#">Paytm [71]</a>	<a href="#">Morgan Stanley [67]</a>
<a href="#">Oracle</a>	<a href="#">Goldman Sachs [66]</a>	<a href="#">Walmart [63]</a>	<a href="#">OYO Rooms [57]</a>
<a href="#">Samsung</a>	<a href="#">D-E-Shaw [56]</a>	<a href="#">FactSet [55]</a>	<a href="#">Ola Cabs [44]</a>
<a href="#">Adobe</a>	<a href="#">Oracle [42]</a>	<a href="#">MAQ Software [41]</a>	<a href="#">SAP Labs [40]</a>
<a href="#">Synopsys</a>	<a href="#">Hike [39]</a>	<a href="#">VMWare [37]</a>	<a href="#">Qualcomm [35]</a>
<a href="#">Infosys</a>	<a href="#">Facebook [34]</a>	<a href="#">Cisco [31]</a>	<a href="#">Visa [29]</a>
<a href="#">Cisco</a>	<a href="#">Intuit [28]</a>	<a href="#">Directi [24]</a>	<a href="#">Linkedin [23]</a>
<a href="#">Wipro</a>	<a href="#">Yahoo [20]</a>	<a href="#">Payu [17]</a>	<a href="#">Wipro [16]</a>
<a href="#">Ola-Cabs</a>	<a href="#">Synopsys [11]</a>	<a href="#">Salesforce [10]</a>	<a href="#">Citrix [10]</a>
<a href="#">Morgan-Stanley</a>	<a href="#">BankBazaar [10]</a>	<a href="#">Codenation [9]</a>	<a href="#">TCS [8]</a>
<b>Popular Topic Tags</b>			
<a href="#">Grofers [5]</a>	<a href="#">Mynta [5]</a>	<a href="#">Amdocs [5]</a>	
<a href="#">Teradata [5]</a>	<a href="#">Accenture [5]</a>	<a href="#">Juniper Networks [5]</a>	
<a href="#">Atlassian [5]</a>	<a href="#">One97 [5]</a>	<a href="#">Belzabar [5]</a>	
<a href="#">CouponDunia [5]</a>	<a href="#">Quikr [5]</a>	<a href="#">Kritikal Solutions [5]</a>	
<a href="#">InfoEdge [5]</a>	<a href="#">Rockstand [5]</a>	<a href="#">Oxygen Wallet [5]</a>	
<a href="#">Epic Systems [4]</a>	<a href="#">Drishti-Soft [4]</a>	<a href="#">Times Internet [4]</a>	
<a href="#">Infosys [4]</a>	<a href="#">IBM [4]</a>	<a href="#">Boomerang Commerce [4]</a>	
<a href="#">United Health Group [4]</a>	<a href="#">Groupon [4]</a>	<a href="#">Veritas [4]</a>	
<a href="#">Brocade [4]</a>	<a href="#">BrowserStack [4]</a>	<a href="#">Opera [4]</a>	
<a href="#">Apple [4]</a>	<a href="#">Nutanix [4]</a>	<a href="#">GreyOrange [3]</a>	
<a href="#">OATS Systems [3]</a>	<a href="#">Airtel [3]</a>	<a href="#">Arcesium [3]</a>	
<a href="#">Nvidia [3]</a>	<a href="#">Jabong [3]</a>	<a href="#">Moonfrog Labs [3]</a>	

**ACCENTURE**  
**INTERVIEW EXPERIENCE**

# Accenture Interview Experience

## **1. Brief about company:-**



Accenture is a multinational professional services company that provides services in strategy, consulting, digital, technology and operations. A Fortune Global 500 company, it has been incorporated in Dublin, Ireland, since 1 September 2009.

- Industry -Professional Services
- Founded-1989; 33 years ago
- Current CEO- Julie Sweet

Accenture is a global professional services company with leading capabilities in digital, cloud and security. Combining unmatched experience and specialized skills across more than 40 industries, we offer Strategy and Consulting, Interactive, Technology and Operations services-all powered by the world's largest network of Advanced Technology and Intelligent Operations centres. Our 624,000 people deliver on the promise of technology and human ingenuity every day, serving clients in more than 120 countries. We embrace the power of change to create value and shared success for our clients, people, shareholders, partners, and communities.

## **2. Eligibility criteria and package:-**

<b>Item</b>	<b>Detail</b>
Year of passing out	2022
Degrees and streams	Regular (Fulltime) B.E/B.Tech/M.Tech/M.E/MCA/MSc (CS,IT)
Academic gap	A maximum one-year gap in education (post 10th standard till completion of graduation)
Backlogs	No active backlogs at the time of the recruitment process and onboarding
Other important details	Candidates should not have appeared for Accenture Recruitment Assessment / Interview Process in past three months.

There are two roles that Accenture is recruiting 2021/2022 pass-outs for, this year. They are as follows.

1. Associate Software Engineer (4.5 LPA)
2. Software Engineer (6.5 LPA)

Given below are details about the packages offered by Accenture.

<b>Detail</b>	<b>Associate Software Engineer</b>	<b>Software Engineer</b>
Total compensation	INR 4.5 LPA	INR 6.5 LPA
Fixed pay	INR 3,83,000	INR 5,41,500
Variable pay (based on performance)	INR 32,500	INR 84,500
Benefits and one-time bonus	One-time joining bonus: INR 25,000 (on successful completion of training) Benefits: INR 9,500 (Gratuity and Insurance Premium)	Benefits: INR 24,500 (Gratuity and Insurance Premium)

### **3. How many rounds were there and what was asked in each round:-**



Stage	Name of the Stage	What's tested?	No. of Questions	Duration (Minutes)
1	Cognitive and Technical Assessment	<b>Cognitive</b> – English Ability, Analytical Reasoning & Numerical Ability <b>Technical</b> – Pseudocoding, Common Application and MS Office, Fundamentals of Networking, Security and Cloud	Cognitive – 50 questions Technical – 40 questions	90
2	Coding	<b>Fundamentals of Programming</b> – any language of choice between C/ C++/ Java/ Python/ DOT Net	2	45
3	Communication Test	Pronunciation, Fluency, Sentence Mastery and Vocabulary	NA	Approx 20
4	Interview	Learning Agility and Communication – Tested by 2 panel members	Varies for each candidate	Approx 30

- Stage 1 is an elimination round.
- Stage 2 is mandatory and elimination rounds.
- Those who clear Stage 1 and attempt Stage 2 will be invited for Stage 3 and it is not an elimination round.
- Stage 3's performance will be used as a reference in the Interview.
- Depending on overall performance at a zonal level, the package would be assigned.

## **Stage 1:-**

### **Cognitive Ability and Technical Assessment**

This is the most important round in the Accenture test. In this round most of the students will get **Eliminated** and can't reach to the next round i.e. coding round.

- On the starting you will get the assessment link with your unique login credentials to login to the test.
- **Cognitive Ability section includes:-**
  - English Ability
  - Analytical Reasoning
  - Numerical Ability
- **Technical Assessment Section Includes:-**
  - Common Application and MS Office
  - Pseudo Code
  - Fundamentals of networking, Security and Cloud.
- You will get 90 minutes overall to complete this assessment
- **You are required to meet the section and subsection cut off from each assessment** ( Cognitive and technical) to be considered for further rounds.
- After 10 minutes of submitting the test you will get the results.
- **Don't close the browser until you are notified of assessment closure.**

## **Stage 2:-**

### **Accenture Coding Round**

After Clearing Cognitive and Technical Assessment you must have to participate in round 2 i.e. coding round. This is Mandatory Coding Assessment. This is an **Elimination round**.

- Score of the Coding round will be considered at the final round i.e Interview process.
- In this round there will be **2 coding** questions that can solve in following languages as per your reference:-
  - JAVA
  - C
  - C++
  - DOT NET
  - Python

## **Stage 3:-**

### **Accenture Communication Assessment Round**

This is the third round of Accenture Recruitment Process. This is also not an **elimination round**.

- After completing coding round candidates have to give this communication assessment.
- Candidates will receive a separate email with timelines and login details to participate in this assessment.
- It is a verbal test that will assess you on the below parameters:-
  - Sentence Mastery
  - Vocabulary

- Fluency
- Pronunciation

- **Time Limit-** 20 Mins

## **Stage 4:-**

### **Interview**

After Completing the test candidates will receive a notification to select the time slot for participating in the interview.

When you confirmed the slot you will get a confirmation of interview details via mail or sms.

For 6.5 LPA package, The last round was HR round with technical questions.

- The round began with my introduction.
- Some few technical questions like Sorting (Merge sort and Quick sort) and one problem on merge sort.
- Few algorithm concepts like Kruskal's algorithm.
- Question on Operating system like Deadlock .
- Object oriented related questions like Inheritance, Polymorphism, Abstraction, Encapsulation with example.
- He asked me to explain 7 layers of OSI model in Computer Networks.
- Questions regarding the difficult situation I have faced earlier and how I tackled it.
- Project related questions in brief:-
  1. About the Project
  2. Technology used in the project
  3. My contribution to project
  4. Few questions on project

## **Contact Details:-**

Name:- Nikhil Shankarappa Talawar

Phone no.: - 8123710785

E-mail id:- nikhiltalawar@gmail.com

**BRILLIO**  
**INTERVIEW EXPERIENCE**

# My Interview Experience

- Parth Zanvar



## About the Company

Brillio is laser-focused on turning technological disruptions into the advantages that our customers need to thrive in today's digital economy.

### About Us

We Are Brillio. Born of the digital age in 2014.



## We are a leading technology advisor and digital transformation partner

Built upon this dedicated foundation of full digital capabilities and combined with a fresh new organizational culture that truly understands its clients' business challenges and opportunities. We continue to believe this pure digital situation fluency, combined with unwavering customer focus, and proficiency with our methodologies and tools truly sets us apart.

And while our journey has been relatively short, Brillio has become a compelling force in the industry and a significant partner for many of our clients.

Brillio is a leading technology advisor and digital transformation partner that already works with many Fortune 500 companies.

# Eligibility Criteria

## Candidate Profile

- Technology Enthusiasts who love solving problems through technology
- Must possess excellent communication and articulation skills
- Proficient in at least one Object Oriented Programming Language (preferably Java)
- Knowledge of Data Structures, OOPS, RDBMS, SQL, Networking Concepts, SDLC
- Team Player with adequate collaboration skills
- Quick Learner who can learn and apply things

## Stream of Engineering

CS/ IT [B.E./BTech - 4 years]

## Academic Gap

Academic Gap allowed only after the completion of the entire course i.e. after SSC/ after HSC or Diploma of Engineering. No year drop allowed between the course.

## Percentage/CGPA

60% & Above OR Equivalent CGPA

SSC/HSC should be cleared in 1st attempt only.

For diploma holders, final sem must be cleared in FIRST ATTEMPT only.

# Rounds to clear

## Round 1

Apptitude Exam consists of Verbal, Logical & Quantitative apptitude questions.

Coding questions included in round 1, coding can be practiced in any language. SQL coding questions included.

Eg for Quantitative Question:

Three types of tea the a,b,c costs Rs. 95/kg,100/kg and70/kg respectively.

How many kgs of each should be blended to produce 100 kg of mixture worth Rs.90/kg, given that the quntities of band c are equal

- a)70,15,15    b)50,25,25    c)60,20,20    d)40,30,30

Eg for Verbal Question:

S1: In the middle of one side of the square sits the Chairman of the committee, the most important person in the room.

P : For a committee is not just a mere collection of individuals.

Q: On him rests much of the responsibility for the success or failure of the committee.

R : While this is happening we have an opportunity to get the 'feel' of this committe.

S : As the meeting opens, he runs briskly through a number of formalities.

S6: From the moment its members meet, it begins to have a sort nebulous life of its own.

The Proper sequence should be: [s1 & s6 are fixed]

- A. RSQP
- B. PQRS
- C. SQPR
- D. QSRP

# Rounds to clear

Eg for Logical Questions:

A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

- A.    A    B.    X    C.    S    D.    Z

For Coding Questions, you can expect questions same like the one's available on Hacker Rank.

## Round 2

Group Discussion, any topic will be given on spot with a 2 min preparation time.

## Round 3

Technical interview, knowledge of subjects like OS, DBMS, DAA, OOP a must, questions on these will be asked.

On-spot coding and aptitude questions will be asked during the technical interview.

Eg:

- What is a dangling pointer in C?
- What is a memory leak in a heap?
- "/o" in a string?

## Round 4

A phone call will be made by the HR of the company, generally the questions asked will be based on your resume.

Questions asked to me were based on my hobbies and my leadership qualities which i had mentioned in my resume.

# My Experience

It was a thrilling process, once the placements start in the campus, you get into the race. Brillio was the company which started the recruitment process in our college in Sept 2021. You are anxious, always thinking about the placements, the results.

Round 1 is the most important round as if you don't clear this round you can't go the next rounds at which you may be good at.

Round 1 was conducted on an aptitude exam software [mettl], aptitude exam was similar to that of exams conducted by Bizotic.

Coding on these softwares are bit troublesome, get familiar with it before actually giving the test.

Read all the guidelines before starting the test.

Round 2 was a group discussion, always make sure you speak out something as there will be a group of 15 students and each one getting adequate time to speak is difficult, make sure you talk to the point.

Starting with the discussion is the best option rather than speaking in between.

Round 3 was Technical interview, here the interviewer asked me all basics of OS, OOP. Also i was asked an aptitude question on Arithmetic Progression and a coding question, which i had to type on the interview interface.

Round 4 was HR round, i received a call from the HR without any prior intimation, make sure you are always around your phone and its not silent.

I received the call around 7:30 in the evening and the call lasted for around 30 mins and all the questions asked to me were based on my resume.

The results were declared as the entire process was completed for all the students.

# My Resume



## PARTH ZANVAR

### CONTACT

#### PHONE

+91 8660143266

#### EMAIL

zanvarparth@gmail.com

#### ADDRESS

Hindwadi, Belgaum-590011.

#### LINKEDIN

[www.linkedin.com/in/pARTH-ZANVAR-28262b1a0](https://www.linkedin.com/in/pARTH-ZANVAR-28262b1a0)

#### GITHUB

<https://github.com/pARTH-ZANVAR>

### PROFILE

Currently in the 4th year CS Engineering, exploring new opportunities and eager to learn new things.

I am passionate about my work. Because I love what I do, I have a steady source of motivation that drives me to do my best.

I am ambitious and driven. I thrive on challenge and constantly set goals for myself, so I have something to strive towards.

### SKILLS AND ABILITIES

Have Knowledge on languages like C, Python, Java, HTML, CSS, Bootstrap.

Have Knowledge on Basic Data Structures, Algorithms and DBMS.

Have Knowledge on technologies like MySQL.

Have Knowledge of UNIX OS, CN, NP.

Cambridge English in ESOL (business preliminary) result: Merit.

### EDUCATION

#### BE - CSE

GOOTE INSTITUTE OF TECHNOLOGY BELGAUM | 2018 - 2022

CGPA - 9.72

#### PUC

GSS COLLEGE BELGAUM | 2016 - 2018

Percentage - 90%

#### SSLC

ST. PAULS HIGH SCHOOL BELGAUM | 2006 - 2016

Percentage - 94%

### MAJOR PROJECTS

#### Number plate recognition of vehicles

Developed a program for detecting number plates of vehicles using python GUI, Python-tesseract.

#### Simple Calculator using Python

Developed a program for basic arithmetic operations using python GUI.

#### Inventory Management System

Developed a Inventory management system using python GUI, SQL, DBMS which performs basic operations like adding, deleting and managing overall data.

#### Color guessing game using Python

Developed a color guessing game using Python GUI and basic coding operations.

#### Cell phone messaging system using data structures

Developed a messaging system using linked lists which can insert, delete, display messages.

#### Frontend web development of an institutional website

Developed the frontend using technologies like HTML, CSS, Bootstrap.

### WORK EXPERIENCE

#### Design Intern

Koders Korp, Dehradun | May - July 2021.

#### Data Science Intern

Tech Fortune Technologies, Bangalore | March - May 2021

### LEADERSHIP

#### Chairperson

ACE Student Branch KLS GIT | 2020-2022

#### Board Director

CSI Student Branch KLS GIT | 2020-2022

#### President

Rotaract Club of GIT | 2020-2021

### CO-CURRICULAR ACTIVITIES

Secured 2nd place in Zodiacus event, under BizWaves'22 organized by NITK Surathkal.

Secured 1st place in coding event Technocrax, under Avalanche 2020 organized by KLS GIT Belgaum.

Secured 2nd place for Start-up pitch event, under Avalanche 2020 organized by KLS GIT Belgaum.

Attended workshop for deep learning for computer vision and natural processing language during FOSSCON 2019, KLS GIT Belgaum.

Attended workshop for deep learning using Google Collaboratory during FOSSCON 2019, KLS GIT Belgaum.

# Some Useful links

**For aptitude videos:**

<https://www.youtube.com/c/CareerRideinfo>

**For aptitude practice tests:**

<https://www.indiabix.com/>

**For company based interview questions:**

<https://www.javatpoint.com/interview-questions-and-answers>

**For any queries:**

**Parth Zanvar**

**+91 8660143266**

**zanvarparth@gmail.com**

**WDC**

**INTERVIEW EXPERIENCE**

## **Western Digital (Interview Experience)**

By: Gangadhar P Kulam <https://www.linkedin.com/in/gangadhar-p-kulam-6781aa1a4/>

- **Eligibility Criteria:**

Stream: BE(CS, IS, MECH) / M.Tech(CS, MECH)

CGPA: 7 and above

CTC: (BE) 14,42,460 INR, (M.Tech) 18,86,750 INR

- **Online Test:**

It was 1-hour test, consisting 6 sections namely

**ABString (5 marks), Bug Fixing (5 marks), Plus Minus (5 marks),  
word (5 marks), Quantitative Reason (5 marks), SQL and Java (15 marks)**

Each correct answer gets awarded **1** mark and each wrong answer will result in a **penalty of 0.25** marks

First 4 section were more of writing the code, the sections name itself are the title for the problem statement, each problem having 5 marks

30 – 35 students got shortlisted for next round

- **Technical interview (Round 1):**

This round was about 50 minutes to 1-hour long and it was to check fundamental skills and software development skills of the candidate

The interview started with a smooth self-introduction

Questions that were asked:

- Tell me about my projects and among that my favorite project that I enjoyed most.
- The difficulties I faced during completion of my favorite project and how I solved that.
- Interviewer started asking basic OOPS concepts (I answered them all with brief explanations and good examples)
- About the company, what all things I have studied about the WDC company (Try to tell about some famous products services, there vision and tell them about similarities in your vision and the companies vision)

- I got a task, I have to tell how I will approach it, if it is given me in the team. The task was make UI for product selling website for WDC, I have to draw the process for user for their good experience. (My answer was not up to the mark, he was expecting little more, I was a bit nervous)
- He asked if there are questions from my side (I asked about the role and feedback for myself)

Interview ended, after few days they shortlisted 9 students for next technical round, I was one of them

- **Technical interview (Round 2):**

It was the longest interview I have appeared, around 1-hour to 1.25-hour, In this round there was no personal introduction, interviewer directly asked me about my previous interview.

Interviewer asked name of my earlier interviewer and had a chat with him to confirm, my heart beats got increased, he smiled and started the interview

Questions that were asked:

- Tell me about your skills and expertise. (As I did my projects in web-development I mentioned bootstrap4 while answering)
- I started getting questions on bootstrap, he asked some depth concepts in bootstrap, like carousel customization in JavaScript, breakpoints used etc.
- How is your logical and problem solving ability and how you will rate it out of 10.
- I got three questions, I need to give the approaches
- The problems that were asked:
  1. <https://www.geeksforgeeks.org/swap-two-numbers-without-using-temporary-variable/>, before I tell my full answer he skipped the question and asked the other question
  2. I have given a number greater than 7 and I have to express that in multiples of 5 and 3 and their sum. Similar to <https://www.geeksforgeeks.org/find-number-currency-notes-sum-up-to-given-amount/> (I gave 2 different approaches and explained the time and space complexities and best between them, he was happy)
  3. Third question was a tricky one, it was easy but he added some conditions <https://www.geeksforgeeks.org/program-find-line-passing-2-points/> this was the similar problem, but there was no 2<sup>nd</sup> (x, y) point given, we have to give the approach to make a straight line from only one point. (I didn't understand that 2<sup>nd</sup> co-ordinate I can assume until it is a finite line. I asked to give hint, he gave and I was able to give an approach, he was satisfied with that)
- Interviewer started asking questions on C++.

- Difference between a structure and a class in C++.
- What are virtual functions.
- Pure virtual functions and example (I was unable to answer properly).
- Basic questions about software development, different methods I know in SD
- Difference between Waterfall model and Agile method.
- Interview asked me about any other campus offers I have (I told about 2 offers)
- Why I am interested in WD after having 2 good offers in hand.
- Questions from my side (I asked the feedback, I got positive comments)

- **HR interview:**

This was just 10 to 15 minutes of friendly discussion. It was about my background and interests.

Questions that were asked:

- Tell me about yourself.
- Family background.
- Future goals, what value I will bring for WDC.
- Questions from my side.

All the rounds got over, we got the results in the evening, 3 students got placed, I happy I was one of them. : )

**NOTE:** I got questions on C++ because I told interviewer that I learned programming and OOPS in C++.

**Tips:** Be patient in interviews, don't directly start answering without thinking for a while, while answering coding questions start with explaining what you understood from the problem statement, ask questions if the information given is not enough for you, start with a naïve approach first and then refactor your answer to make another approach, wait for your opportunity. Appreciate people your time will come.

**ALL THE BEST**



# Interview Experience with **Western Digital**

**Aravind Dasaraddi  
Intern -1 (Western Digital)**

ID: <https://www.linkedin.com/in/aravind-dasaraddi-b444251b2>

# Title of Contents

S.NO	Title	Page No
01	About Company	03
02	Eligibility Criteria	04
03	Detailed Interview Experience	05
04	How to Prepare	07
05	Standard Coding Questions (Basic to Advanced Level)	08

# Eligibility Criteria

## Job Description :

Participate in design and development activities of software development

- Design and deliver efficient and scalable data solutions
- Design prototypes / proof of concepts
- Contribute to/ propose innovative design ideas and solutions
- Pro-actively get issues/problems resolved
- Interact with stakeholders to understand their analytics needs &requirements for designing the products /solutions.

## Skills Required:

1. Good Knowledge in programming languages like Java & Python
2. Solid understanding of object oriented design, data structures and algorithms.
3. Good Interpersonal skills and communication skills
4. Good analytical and problem solving skills
5. Knowledge in Scrum and Agile development environments
6. Planning and organizational skills to balance and prioritize work
7. Ability to work independently and as part of a team

## Qualifications :

BE (CS,IS, MECH) /M. Tech(CS, MECH)

CGPA - 7 and Above

## Compensation details :-

BE - Total CTC- 14, 42,460

M. Tech- Total CTC- 18,86,750

# About Company

**Western Digital Corporation (WDC)**, commonly known as **Western Digital** or **WD**) is an American computer hard disk drive manufacturer and data storage company, headquartered in San Jose, California. It designs, manufactures and sells data technology products, including storage devices, data center systems and cloud storage services.

Western Digital has a long history in the electronics industry as an integrated circuit maker and a storage products company. It is one of the largest computer hard disk drive manufacturers, along with producing SSDs and flash memory devices. Its competitors include the data management and storage companies Seagate Technology and Micron Technology.

Western Digital's offerings include HDDs and SSDs for computing devices (e.g. PCs, security surveillance systems, gaming consoles and set-top boxes); NAND-flash embedded storage products for mobile devices, notebook PCs and other portable and IoT devices; and NAND flash memory wafers.

Western Digital's embedded storage devices include the iNAND product line and custom embedded products. Western Digital also provides microSD and SD card products to OEMs only for automotive and industrial applications.

Western Digital Capital is Western Digital's investment arm.<sup>[86][87]</sup> It has contributed funding for data technology companies such as Elastifile and Avere Systems.

## Acquisitions [edit]

Acquisition date	Company	Product types	Price	Refs
June 29, 2007	Komag	Hard disk media	\$1 billion	<a href="#">[99]</a>
March 8, 2012	HGST	HDD, SSD	\$3.9 billion	<a href="#">[100]</a>
January 22, 2013	Arkeia Software	Backup Software	—	
September 12, 2013	sTec	SSD	\$340,000,000	<a href="#">[101]</a> <a href="#">[102]</a>
October 17, 2013	Virident	SSD, system and software	\$685,000,000	<a href="#">[103]</a> <a href="#">[104]</a>
December 15, 2014	Skyera	Flash-storage arrays	—	<a href="#">[105]</a>
March 16, 2015	Amplidata	Software	—	<a href="#">[106]</a>
May 12, 2016	SanDisk	SSD, system and software, <a href="#">NAND flash</a> , embedded	\$19 billion	<a href="#">[107]</a>
August 28, 2017	Upthere	Flash, <a href="#">persistent</a> , <a href="#">cloud services</a>	—	<a href="#">[108]</a>
September 2017	Tegile	Flash, persistent, cloud services	—	<a href="#">[109]</a> <a href="#">[110]</a>
September 2019	Kazan Networks	Flash storage technology	—	<a href="#">[111]</a>

# Detailed Interview Experience

## Round 1 (Online Round):

It was an Online Aptitude Test with a total of 45 questions to be done in 45 mins. There were 4 sections

- 1) Aptitude - 15 questions
- 2) C/C++ Programming - 10 questions
- 3) DS and OS concepts - 10 questions
- 4) Electronics - 10 questions.

All sections were mandatory. The marking scheme was +1 for every correct answer and a -0.25 penalty for every wrong answer.

The aptitude questions were easy and coding questions required deep knowledge of the subject.

I answered all coding questions and got output. I was selected for the second round.

## Round 2 (Technical Round - 1 hour 15 minutes):

My interview was scheduled for 45 minutes but it went for 1 hour 15 minutes. It started with a brief introduction about myself, then the interviewer asked me questions from my resume like about my projects and hobbies. After this, the following questions were asked: (*I remember some questions*)

- What are pointers? He asked me to explain them along with the code.
- Difference between structure and unions and their code implementation.
- What is selection sort?
- What is call by value and call by reference?
- Questions on resume, projects
- He asked if there are questions from my side (I asked about the role and feedback for myself)

Then he further took the discussion towards operating systems, oops concepts, and programming fundamentals. Later on he asked me to share my code editor and write code on it.

Many such questions were asked. I remember only these. I answered almost all. I was selected for the next round.

### Round 3 (Technical Round 2 - 1 hour 30 minutes):

It again started with a brief introduction and discussion about my projects. I started with one of my projects in Data Science as the interviewer was also from the same background, so we had a discussion about the technologies used in Data science and later on I explained each and every minute details of my project .

As I was having the working project with me ,he asked me to share my screen and give the demo and show the important features of the project.

As I was also mentioned the DevOps and Cloud Native Development in my resume, he also asked questions on those technologies.

Then the interviewer asked me:

- About my technical and non-technical skills.
- He again discussed the coding question I did in the last interview.
- What is a circular queue? How it is implemented? He then asked me about traversal and deletion in a circular queue.
- What are scheduling algorithms in OS?
- How many programming languages I have worked on? How would I rate myself in C/C++ (out of 10)?

Then he took the discussion to the code part. He asked me to share my code editor and write code on it. I was asked couple of coding questions.

- <https://www.geeksforgeeks.org/swap-two-numbers-without-usingtemporary-variable/>
- <https://www.geeksforgeeks.org/find-number-currency-notes-sum-up-to-given-amount/>
- <https://www.geeksforgeeks.org/program-find-line-passing-2-points/>

In the end, he gave me a puzzle - <https://www.geeksforgeeks.org/puzzle-12-maximize-probability-of-white-ball/>

Almost all questions were answered, and I solved quite a few coding questions as well. I was selected for the next round.

## **Round 4 (HR Round -1 hour):**

This round was also about 60 mins, it started off with an introduction, then it moves forward to the discussion on basic HR questions like,

1. What is your weakness and strength?
2. Where do you want to see yourself after 5 years?
3. Which is your favorite university for MS education?
4. Why Western Digital Corporation ?
5. What are your Hobbies ?
6. Then he asked what it is to be a part of a team?
7. What do I know about the company?

This round was casual. The HR was very friendly.

Finally,3 people were selected for both internship and full-time offer .I was one of them.

## **Tips for preparing for Western Digital:**

- Practice coding in your Comfortable language (C,Java,Python)
- Have a good understanding of Data Structures and Algorithms and also on Core Subjects.
- Don't give up when questions that you have never heard of being asked.
- Try to think and answer whatever you feel about the approach.
- Prepare on daily basis. Nothing can be done overnight.
- Also, try to look for a developer role rather than a testing role. I feel you will have good growth in the development role.

Wait for your opportunity. Until then, Don't lose hope. ALL THE BEST

# Standard Coding Questions (Basic to Advanced Level):

## Basic Programs:

### Decision Making and Branching constructs

- Write a C program for the following scenario: A telecom service provider offers recharge discount of Rs. 100 for using GPay wallet, Rs. 50 for using Phone Pe wallet and Rs. 200 for using Axis Bank credit card only if in all cases the recharge amount is more than Rs. 499. Program must accept the Recharge amount and mode of payment. The net amount to be paid must be the output of the program.
- Suppose the postal rates for mailing letters are as follows
  - Rs. 0.50 per 10 grams for the first 50 grams
  - Rs. 0.40 per 10 grams for the next 100 grams
  - Rs. 0.25 per 10 grams for the next 250 grams and
  - Rs. 0.25 per kilograms for the letters weighing more than 400grams

Write a C program that prompts for weight of a letter and prints the postage to be paid

- Write a C program that checks if a given password is strong, weak or moderate as per the rules given below.
  - i) If it contains a combination of digits, alphabets and special characters, then the password is strong.
  - ii) If it contains a combination of only digits and alphabets, then the password is moderate.
  - iii) If it contains only alphabets, then the password is weak.
- A commercial bank accepts fixed deposit from the public. The rates of interest vary depending on the number of days for which the deposits are made. Following are the rates.

30 days to 60 days	6%
61 days to 90 days	6.5%
91 days to 180 days	7%
181 days to 1 year	8%
More than 1 year	8.5%

For senior citizen, 1% additional interest is offered for deposits more than 50,000. Write a program to accept the amount, number of days for which the amount is deposited and the age of the depositor, calculate the amount to be given to the customer after the completion of term of deposit.

- Write a C program to add two complex numbers
- Write a C program to read three sides of triangle. Check whether these sides make triangle. If they make then identify whether it is equilateral or isosceles or scalene.
- A Student has scored marks in three subjects. Write a C program to find out the highest, second highest and third highest marks among the three subjects. Also find the average of first two highest marks.

## Decision Making and Looping Statements

- Write a C program that accepts 60 mobile numbers iteratively. On accepting one mobile number the program must check whether the same ends with an even number or odd number. If even, then the contact belongs to Batch A else the contact belongs to Batch B. The program must output the Number of students in Batch A and Batch B after all the 60 mobile numbers are read.
- Suppose an amount is deposited in a commercial Bank , which pays compound interest at the rate of  $r\%$  annually for  $n$  years . Write a C program that prints the amount in account after each year.
- Write a C program to create a simple gamming application as per the scenario. The admin is asked to select a number between 1 to 10. The user is asked to enter any number. If the number matches the number chosen by the admin then the user wins. The user is given maximum of 3 chances.
- Write a program to generate following pattern

```
1  
2 1 2  
3 2 1 2 3  
4 3 2 1 2 3 4
```

- Write a C program to find Strong Numbers within a range of numbers.
- Write a C program to print following pattern.

```
1  
1 2 1  
1 2 3 2 1  
1 2 3 4 3 2 1
```

- Write a C program to calculate the average height and weight of the entire class and categorise into
  - i) Avg\_Height <5feet.
  - ii) 5 < Avg\_Height < 6
  - iii) Avg\_Weight < 50kg
  - iv) 50 < Avg\_Weight < 75kg

## Single dimension Array

- Write a C program to read a mobile number. Create a single dimension array in such a way that the index location of the array that matches the digit present in the mobile number must be filled with the frequency of that digit in the mobile number. Example if the mobile number is 9945690021 then the array location with index 9 must be filled with 3 as 9 appears 3 times in the mobile number.
- Write a C program that accepts an array , interchanges first element with last element , second element with second last element & so on , finally prints the new array.
- Write a C program to cyclically display the elements of an array for any number of digits.

Sample input: 1 2 3

Sample output: 123 231 312.

- Write a program to find intersection of two arrays a and b with size m and n respectively.

Example:

```
int a[10]={1,2,4,6,7,8,11,12,13,5}
```

```
intb[5]={8,12,56,13}
```

Output:

```
c[10]={8,12,13}
```

- Write a C program to count the frequencies of elements of a given integer array.
- Write a C program to read n numbers in 1-D array and sum of any consecutive elements present in array. Print the sub-array making sum along with start and end index.
- Write a C program to count the number of vowels in a given words.

## Double dimension Array:

- Write a C program to read Physics, Chemistry and Maths marks of 20 students. The total marks secured must be calculated. The maximum marks per student is 300. The PCM percentage also must be calculated. All this data must be stored in an array. The output is a neat display of data shown as under:

Physics	Chemistry	Maths	Marks Secured	Total Marks	Percentage
52	72	80	204	300	68.00
40	30	50	120	300	40.00

Given a matrix A of order mxn , write a C program to sort even rows in ascending order and odd rows in descending order.

- Write a C program to find the largest and smallest words based on the number of characters in a two dimensional character array without using library functions.
- Annual examination results of 100 students is stored as follows:

Roll No.	Subject 1	Subject 2	Subject 3
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:

Write a program to read the data and determine the following:

- (a) Total marks obtained by each student
- (b) The highest marks in each subject and roll number of the student who secured it.
- c) The student who has secured highest marks(class topper)
- The given are two one dimensional arrays A and B which are sorted in ascending order. Write a C program to merge them into a single sorted array C that contains every element from array A and B, in ascending order.
- Write a C program to store product code and price in 2-D array, calculate the total price for multiple product codes entered from array along with quantity.
- Write a C program to store the students name and USN using 2 dimensional array and display the list.

## String Manipulation:

- Write a C program to sort the characters of a string in ascending order. The string must contain only small case alphabets.

- Write a C program to illustrate input and output of array of strings represented as 2D array of characters. (eg Days in a week or Months in a year)
- Write a C program to remove 3 or more consecutive characters from a string, repeat until there are no more
 

Ex: MNHHHHNNM => MNNNM => MM
- Write a program to find number of occurrences of a word in a string.
- Write a C program which will read a string and rewrite it in the alphabetical order. For example the word STRING should be written as GINRST.
- Write a program in C to print all permutations of a given string using pointers.
- Write a C program to read paragraphs of lines. Count the occurrences of a given word.
- Using String manipulation functions, write a C program to read the name, USN, address and Branch.

### User Defined Function:

- Write a program that reads 10 mobile numbers and stores them in an array. Each number must be sorted in ascending order using a sort function. Print the resultant array with all numbers.
- 2. Write a function , say int unit\_digit(int n) that returns the unit digit of a number represented in argument n.
- 3. Write a C program which displays the details of a criminal in the police station. The name of the criminal is sent as the parameter to a function which displays the details of the criminal such as his name, his criminal record, place of birth, the term for which he is held in imprisonment and other details. If the name doesn't match with the existing names then a message should be displayed as "Record not found".
- 4. Write a program to convert a decimal number to its binary equivalent using function.
- 5. Write a C program to perform matrix addition and subtraction using function in following way
  - i. read\_matrix(int [ ][ ]) to read matrix
  - ii. operation(int [ ][ ], int) to perform addition / subtraction depending on choice
  - iii. print\_matrix(int [ ][ ]) to print matrix

- Write a C program to demonstrate the use of Calculator using the user defined functions.

### **Recursion:**

- Write a C program that prints the Sum of first n natural numbers using recursion
- Write a C program to find sum of elements of an array named ‘a’ with ‘n’ elements using recursion.
- Write a C program to print the sum of first n odd numbers using recursion.
- Write a recursive function to implement binary search.
- Write a program in C to check a number is a prime number or not using recursion.
- Write a C program to generate and print first 10 natural numbers along with its sum using recursion
- Write a C program to find the Fibonacci series and also add all the numbers using recursive function.

### **Pointers :**

- Write a program to read 10 numbers using pointers. Accept a number and search whether that number is present in the list. Use Pointer concept while searching.
- Write a program that dynamically allocates memory for an array of size n , reads elements of array & sorts them in ascending order.
- Write a C program that helps a kid to remember alphabets where in a character is given as an input and a fruit name or a country name is displayed beginning with that character.
- Write a program using functions and pointers to implement substrptr (char s1[], char s2[]) with two arguments of character array type containing source string (s1)and substring(s2). Function should return an address of a substring in a string if present else a NULL pointer.
- Write a C program to change the value of integer constant using pointer.
- Write a C program to swap two numbers using pointers.

### **Structures:**

- Write a C program to store 10 student records (Name, USN Number, Mobile Number, Address) and sort them by Name in ascending order. Output the sorted records.

- Consider the following declaration

```
Struct Emp{
```

```
    int code;
    char name[20];
    float salary;
};
```

Given that there are n ( $\leq 50$ ) employees in an organization .Write a program using pointer notation to access the data of an Employee that outputs the details of the employee having highest salary.

- Write a C program for generating bill in a shopping mall. The bill should contain the item description, quantity of items purchased, rate and finally the total amount.
- Define structure by name date with members day, month and year of int type. Perform following:
  - (a) Validate a date
  - (b) if d1 and d2 are two dates, find whether d1 is earlier than d2 or d1 is later than d2 or both are equal.
  - (c) find difference between two dates d1 and d2 in terms of number of days.
- Read information (name, roll no and marks) of 10 students using structures and Write a C program to sort them using roll no in ascending order.
- Write a C Program to read marks of three subjects for 10 students and print them in the order of highest to lowest.
- Write a C program to demonstrate the use of Structure, to read the details of bank customer. The details are i) Cust\_ID, ii) Name iii) Age, iv) Address v) Type of account.

### **Files:**

- Write a C program to merge contents of two files into a third file. Print contents of the third file.
- Given a text file containing some text , write a program that prompts the user to input name of a text file , reads this file and outputs the number of vowels & number of words in the text.
- Write a C program to compare two text files. If corresponding characters are not same then print a message “Files are not same”. Else, display the contents of the either of the files in reverse order.
- Write a program to sort the numbers sorted in a file.

- Write a program in C to count a number of words and characters in a file.
- Write a C program to find the number of lines in a text file.
- Write a C program to read Student USN and compare the value with the data from a file. If the USN is found display that student's details and if not found display appropriate message.

## Advanced Programs ( It includes Programs **Topic wise** and **Company wise** ):

**Link:** <https://practice.geeksforgeeks.org/topic-tags/>

(Directly click on the above link to access to the modules)

## Screen-Shots (For Easy Access):

### Topic wise:

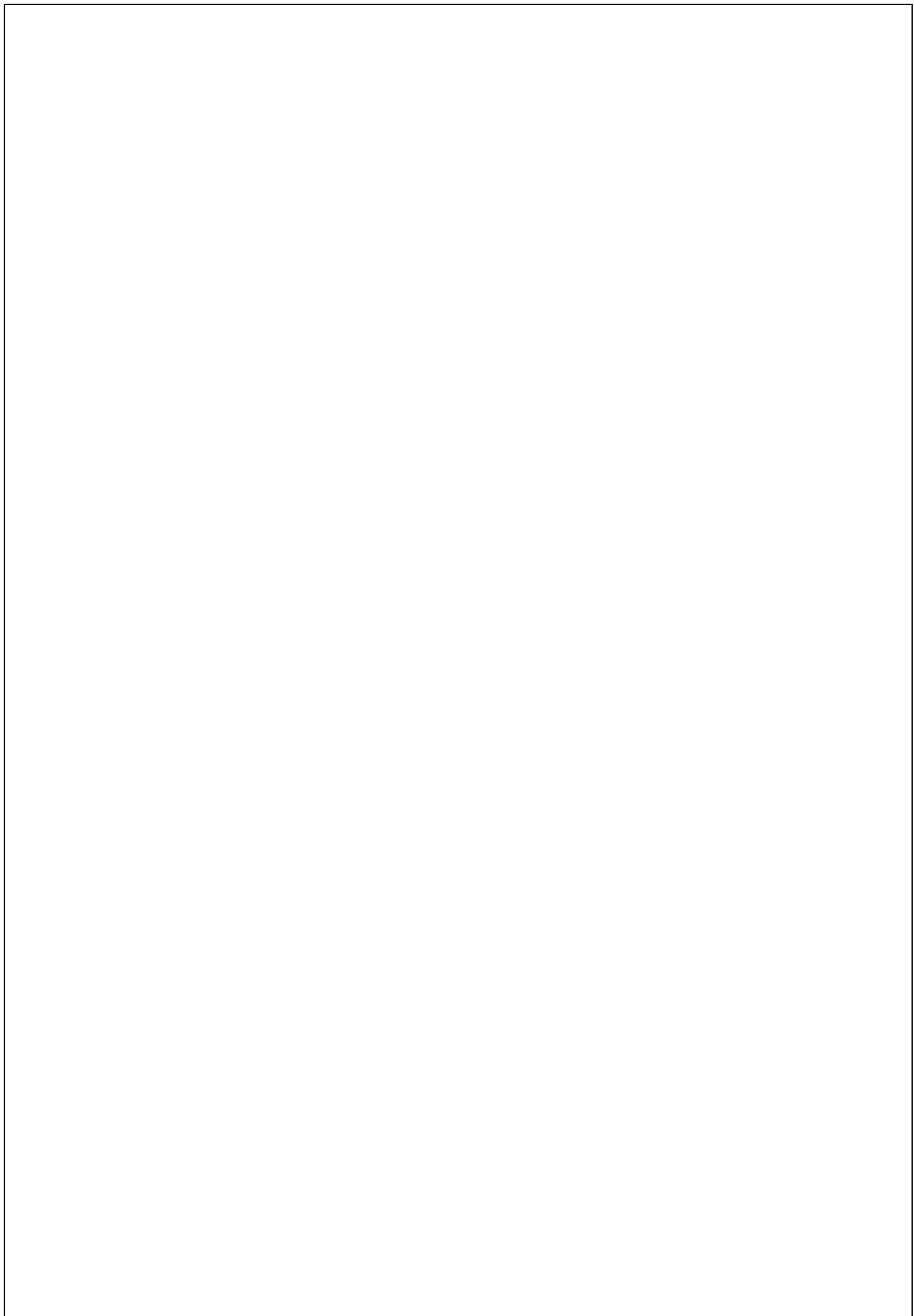
Data Structures		
Arrays [581]	Strings [365]	Tree [164]
Hash [136]	Matrix [99]	Linked List [93]
Graph [81]	Stack [59]	Binary Search Tree [54]
Queue [33]	Heap [29]	Map [27]
Trie [17]	Segment-Tree [8]	priority-queue [5]
Data Structures [4]	AVL-Tree [1]	

Algorithms		
Mathematical [584]	Dynamic Programming [239]	Sorting [125]
Bit Magic [121]	Searching [69]	Recursion [59]
Prime Number [53]	Greedy [53]	Numbers [47]
Binary Search [42]	DFS [37]	series [31]
Modular Arithmetic [31]	sieve [30]	Backtracking [28]
BFS [25]	Combinatorial [25]	palindrome [23]
Algorithms [23]	Divide and Conquer [23]	Fibonacci [18]
Geometric [17]	Binary Representation [13]	Game Theory [9]
Merge Sort [4]	Machine Learning [1]	

# Company wise:

<b>Popular Company Tags</b>	<a href="#">Amazon</a> [596]	<a href="#">Microsoft</a> [401]	<a href="#">Flipkart</a> [160]
— <a href="#">Amazon</a>	<a href="#">Adobe</a> [139]	<a href="#">Google</a> [132]	<a href="#">Samsung</a> [115]
— <a href="#">Microsoft</a>	<a href="#">Accolite</a> [105]	<a href="#">MakeMyTrip</a> [90]	<a href="#">Zoho</a> [77]
— <a href="#">Oracle</a>	<a href="#">Snapdeal</a> [76]	<a href="#">Paytm</a> [71]	<a href="#">Morgan Stanley</a> [67]
— <a href="#">Samsung</a>	<a href="#">Goldman Sachs</a> [66]	<a href="#">Walmart</a> [63]	<a href="#">OYO Rooms</a> [57]
— <a href="#">Adobe</a>	<a href="#">D-E-Shaw</a> [56]	<a href="#">FactSet</a> [55]	<a href="#">Ola Cabs</a> [44]
— <a href="#">Synopsys</a>	<a href="#">Oracle</a> [42]	<a href="#">MAQ Software</a> [41]	<a href="#">SAP Labs</a> [40]
— <a href="#">Infosys</a>	<a href="#">Hike</a> [39]	<a href="#">VMWare</a> [37]	<a href="#">Qualcomm</a> [35]
— <a href="#">Cisco</a>	<a href="#">Facebook</a> [34]	<a href="#">Cisco</a> [31]	<a href="#">Visa</a> [29]
— <a href="#">Wipro</a>	<a href="#">Intuit</a> [28]	<a href="#">Directi</a> [24]	<a href="#">Linkedin</a> [23]
— <a href="#">Ola-Cabs</a>	<a href="#">Yahoo</a> [20]	<a href="#">Payu</a> [17]	<a href="#">Wipro</a> [16]
— <a href="#">Morgan-Stanley</a>	<a href="#">Synopsys</a> [11]	<a href="#">Salesforce</a> [10]	<a href="#">Citrix</a> [10]
— <a href="#">Goldman-Sachs</a>	<a href="#">BankBazaar</a> [10]	<a href="#">Codename</a> [9]	<a href="#">TCS</a> [8]
<b>Popular Topic Tags</b>			
<a href="#">Grofers</a> [5]	<a href="#">Mynta</a> [5]	<a href="#">Amdocs</a> [5]	
<a href="#">Teradata</a> [5]	<a href="#">Accenture</a> [5]	<a href="#">Juniper Networks</a> [5]	
<a href="#">Atlassian</a> [5]	<a href="#">One97</a> [5]	<a href="#">Belzabar</a> [5]	
<a href="#">CouponDunia</a> [5]	<a href="#">Quikr</a> [5]	<a href="#">Kritikal Solutions</a> [5]	
<a href="#">InfoEdge</a> [5]	<a href="#">Rockstand</a> [5]	<a href="#">Oxigen Wallet</a> [5]	
<a href="#">Epic Systems</a> [4]	<a href="#">Drishti-Soft</a> [4]	<a href="#">Times Internet</a> [4]	
<a href="#">Infosys</a> [4]	<a href="#">IBM</a> [4]	<a href="#">Boomerang Commerce</a> [4]	
<a href="#">United Health Group</a> [4]	<a href="#">Groupon</a> [4]	<a href="#">Veritas</a> [4]	
<a href="#">Brocade</a> [4]	<a href="#">BrowserStack</a> [4]	<a href="#">Opera</a> [4]	
<a href="#">Apple</a> [4]	<a href="#">Nutanix</a> [4]	<a href="#">GreyOrange</a> [3]	
<a href="#">OATS Systems</a> [3]	<a href="#">Airtel</a> [3]	<a href="#">Arcesium</a> [3]	
<a href="#">Nvidia</a> [3]	<a href="#">Jabong</a> [3]	<a href="#">Moonfrog Labs</a> [3]	



**PRINCIPAL GLOBAL SERVICES**  
**INTERVIEW EXPERIENCE**

# Pragati Shetty

Computer Science

**Placed Companies:** Principal Global Services (Trainee Analyst) and Capgemini (Sr Analyst)

## Principal Global Services (CTC: 8Lpa)

Principal was founded in 1879 as an insurance company. Today, they are a member of the FORTUNE 500 and a global investment management leader. Principal Global Services was founded in the year 2006 to serve its parent company, Principal Finance Group. Principal Global Services has offices in Hyderabad (India), Manila (Philippines) and Pune (India)

Principal Global Services is a Global In-house Centre, dedicated to supporting Principal Financial Group achieve our common purpose of empowering and enabling our customers across the globe by protecting and advancing their financial well-being through retirement, insurance and asset management solutions. Over the last decade, they have assimilated the right mix of talent and competencies to build a centre of excellence that delivers quality, innovation and strategic value. They offer right over best opportunities for a holistic growth, because they believe that engagement is directly proportional to the right opportunities, fostered by cultural pillars of empowerment and enablement.

## Eligibility criteria

They had not mentioned any specific eligibility criteria but you should have decent grades in your 10<sup>th</sup>, 12<sup>th</sup> and engineering.

For most of the companies it is required to have at least 60% in 10<sup>th</sup> and 12<sup>th</sup>, 6.5 cgpa throughout engineering

## Total Rounds: 06

### Round 01:

First round was an aptitude round which consisted of around 18 fill in the blank questions, it was taken on elitmus platform and it was an elimination round. The difficulty level for this round was easy to medium.

### Round 02:

Second round was also an aptitude round which consisted of around 60 questions (20 quantitative, 20 logical, 20 verbal), it was taken on elitmus platform and it was an elimination round too. The difficulty level for this round was medium to hard. Few topics you need to concentrate are differentiation, geometry, profit and loss, permutation/combination, comprehension, jumble letters, sitting arrangement etc

### Round 03:

Third round was a technical interview of around 50-60 minutes. Interview started with my introduction and discussion on few of the projects mentioned in my resume, later he asked me few questions on Computer networks (E.g.: As sales increases during festival season on a shopping website, what is the best possible way to handle this traffic), few questions were on Data structures (Graphs), latest technologies. Overall, the difficulty level was medium

### Round 04:

This was a puzzle round with 5 logical MCQ questions and a descriptive question (“Where do you see yourself in 5 years?”). It was not an elimination round and the difficulty level was easy

### Round 05:

Fifth round was a managerial round (technical + HR), here he asked me about my college elective subjects and I had to explain it to him with a problem statement, then he also asked me about the detailed design on how to create a chess game and what technologies would be used, then finally there were questions on my previous internship. This round lasted for around 45 minutes and the difficulty level was medium

### Round 06:

Final round was a HR round for around 15 minutes, he just asked me my personal details and the technologies I’m interested to work on.

# **Capgemini (CTC: 7.5Lpa)**

Capgemini SE is a French multinational information technology (IT) services and consulting company. It is headquartered in Paris, France. Capgemini was founded by Serge Kampf in 1967 as an enterprise management and data processing company.

## **Eligibility criteria**

**Degree - B.E./B.Tech., MCA | Streams - CS/IT/IS & Circuit**

Minimum 60% in Diploma/Graduation/Post Graduation with 2 active backlogs

- ONLY 2 Active Backlogs allowed during hiring process
- Students will have to clear all backlogs prior joining. Students with active backlogs will not be considered for onboarding

## **Gap Eligibility Guidelines**

- Candidate should not have more than 1 year of gap between milestone academic stages; milestone academic stages considered are X<sup>th</sup>, XII<sup>th</sup>, Degree and Post-Graduation.
- Candidate pursuing Diploma should not have any gaps between Diploma and Degree.
- Candidate should not have gap years in the midst of a milestone education; milestone academic stages considered are X<sup>th</sup>, XII<sup>th</sup>, Diploma, Degree and Post-Graduation.
- In case a candidate has appeared for XII<sup>th</sup> more than once, candidature will be considered provided both the marksheets are available.

**Total Rounds: 03**

**Round 01:**

The overall test flow and pattern is as mentioned below:

- 1) Technical Assessment
- 2) Multiple choice English communication test
- 3) Game based aptitude test
- 4) Behavioral competency profiling

If you do extremely well in this round then you are considered for the Sr. Analyst post else you will be considered for the Analyst post. The difficulty level for this round was easy to medium.

## Round 02:

The second round was a coding round with 3 questions and the duration was 60 minutes. The concepts were based on string/array manipulation and mathematical formulas. It was not very difficult and can be cleared with some preparations.

## Round 03:

The final round was a technical + HR round which started with my introduction and discussion on some of my projects. I was then asked few questions on Machine learning and he was interested to know about my social work during pandemic. Overall, the interview was easy.

If you want to be placed in Western Digital, what you should do? How you have to prepare?

➤ The first round was easy of about 60 minutes wherein you had to answer 10 MCQ's and 4 coding questions. The questions were based on simple CS concepts such as arrays/strings/functions. I was able to answer all of them

The second round was an interview round of 1 hr. It started with my project discussion and few follow up questions on machine learning/OpenCV, then the whole interview was based on java programming and DBMS, you need to be very clear about the concepts. Then we had a discussion on latest version of oracle and its drawbacks. At last, he asked me to share my screen as he was interested to see my GitHub account. The difficulty level is medium-hard.

You need to know all the basic concepts of java.

The third round was a managerial round where I had few follow up questions from my previous round and about my future plans.

I was not selected for the HR round but that is their final round.  
I would say with core CS concepts and having knowledge about the latest technologies/events you will be able to clear the interview.

## Suggestions:

Keep your main focus on Data Structures and algorithms, also prepare for some theoretical questions on Computer networks, Operating systems, DBMS, Cloud computing.

Be confident with your answers, do not try to guess the answers, state it clearly if you don't know the answer and more importantly do not lie on your resume.

The first round will be the mass elimination round so it is very important to have strong aptitude. Here are few of the materials I used for my preparation:

- <https://www.indiabix.com/>
- <https://www.careerride.com/>
- r s agarwal quantitative aptitude

You can only clear the coding round with daily practice, few of the useful platforms are: geeksforgeeks, leetcode, hackerrank, codechef.

## Contact Details:

Email Id: [pragathis053@gmail.com](mailto:pragathis053@gmail.com)

Phone no: 9449530875

**PwC**

**INTERVIEW EXPERIENCE**

# Interview Experience with PricewaterhouseCoopers(PwC) Company

## 1. Brief about company

PricewaterhouseCoopers is a multinational professional service network of firms, operating as partnerships under the PwC brand. PwC ranks as the second largest professional service network in the world and is considered one of the big four accounting firms. Price Waterhouse Coopers is known for its outstanding corporate finance accounting services which provide services like audit, tax analysis, business compliances, corporate finance, risk management, security and other such services that are on par with the latest in the financial industry.

## 2. Eligibility criteria

1<sup>st</sup> Semester – 6<sup>th</sup> Semester criteria should be above 8.5 cgpa

## 3. How many rounds were there?

They were 3 rounds – first is Aptitude round, second is Technical round, third is HR round.

## 4. Questions asked during 3 rounds

- **Aptitude round :**

Exactly don't remember the questions however the questions were based on 3 categories – Quantitative Ability, logical reasoning and verbal ability

*Quantitative Ability* - focus on number system, average, percentage, profit and loss, partnership, time and work, probability, ratio and propagation, calendar, clocks.

*Logical Reasoning* – blood relations, data interpretation(bar graphs, pie chart & line graphs).

*Verbal ability* – Antonyms, tenses and basic English grammar.

*Core Aptitude* – revise core subjects, I am computer science branch so concentrate on data structures, SQL queries, OOPs, DBMS and Algorithms.

Refer bizotic session notes , Quantitative Aptitude by R.S Aggarwal and some sample question papers in google.(like geeksforgeeks)

- Technical Round :

Prepare pseudo codes, writing basic programs like Fibonacci series, debugging, languages – C, C++, Java and Python. To practice coding refer hacker rank website, The panelist will ask about projects done in college, some basic core subjects questions(mentioned above), practical application of knowledge to real world situations in the end whatever that has mentioned in your resume.

- HR round :

Tell me about yourself – into 3 parts for instance give an overview of what you studied and why you chose this branch?, highlight relevant experience like internships, accomplishments, any skills developed and volunteering experience and lastly why they should hire you? Summarize this 60 – 70 secs.

What is your Strengths and weakness – your weakness should be modify to something that you are improving

What motivates you?

Are you willing to relocate? – you should say yes apparently they are testing how you can flexible in work environment.

Why should they hire you?

Should your interests, highlight commitment to the company.

Do you have any questions for us? - here don't leave this opportunity by saying no, say yes ask about the work environment, their future projects, companies goals, where do you see the company next five years? Firstly do a study about the company what is their motto, recent projects, CEO please refer glassdoor website and their official website. Engage them with the conservation.

**REDBUS**  
**INTERVIEW EXPERIENCE**

# Redbus

Kapil Shanbhag

8th Sem, CSE

SWE Intern Redbus

- Bus ticket booking app.
- CTC offered: 10 LPA.
- 9 LPA fixed
- 1 LPA is a bonus based on our performance paid quarterly
- Role Offered: Software Engineer

## Interview Rounds

**Total Rounds - 5**

### **Round 1: Aptitude and Coding Test**

It was done on 7th September. It was conducted on Hacker Earth platform. It has some quantitative MCQ questions. Some verbal ability questions. Then some technical aptitude questions from C/C++, Java, DBMS, OOPS, CN etc. Next it had 3 coding questions which were like leetcode easy questions. I got the result on the same day and I was said that the interview would be conducted on the next day.

On the next day i.e on 8th September we had a talk by the CTO and the HR lead about the company and its culture. They also had the QA session where they would answer our questions.

### **Round 2: Technical Interview**

This interview was scheduled at 10:30 pm on Day 2. This round was conducted by the Engineer/ Manager of Redbus. The interviewer greeted me and said to introduce myself. I introduced myself and then he told me to explain my projects. Then he went on asking questions on DBMS subjects like joins, and Normalization. Then he went with the OOPS concepts like 4 Pillars of OOPS. Then he went to DSA and asked me about linked lists, doubly linked lists, and also the application. Then he asked about stack and he asked how can I implement the browser using linked list and stack. It went well and I could answer all the questions. Then he went with a puzzle-type question. Given we have a square inside a circle if the radius is r what would be the side of the square. I could solve it and we were done with the round. The interview was around 45 mins long.

### **Round 3: Technical Interview**

I got a call from the recruiter that I was selected for the Next Round and it was scheduled at 2:30 pm. This round had 2 interviewers both were Engineers or Managers. The interviewer greeted me and told me to introduce myself. Then she asked me to explain my projects and to show a demo of them if I have any. I showed the screen recording of my projects. Then she gave me a coding question that I had to solve. The question was that there is a list of the names in the array and I have to print it in alphabetic order. I could solve it and Interviewer was satisfied with my solution whereas the other interviewer expected optimization. Then the interviewer asked a question about the skills mentioned in the resume. She asked me about React, MongoDB, etc. Then the Second interviewer asked questions about Java and MongoDB. The interview went for 1 hr approx. This round went a bit well and I was disappointed that I could not answer some of the questions asked by them.

### **Round 4: Direction discussion**

I cleared around 3 and got the mail about Round 4. It was scheduled for 4:30. It was conducted by the director at Redbus. The interviewer greeted me then he told me to introduce myself. I introduced myself and he told me to explain the projects. I explained the projects and then he asked if I had any demo of the projects. I showed him the GitHub repository of the project. I had embedded the link in my resume. Then the Interviewer gave me the coding question. The question was to rotate the array clockwise. I could solve it and he was satisfied with the solution. It was taken for 20 mins.

### **Round 5: Interview with CTO**

I got selected for Round 4 and the last interview was with CTO Anoop Menon and Tech and HR lead Srijit Sarkar. I got the mail about the interview and it was scheduled for 6:30 pm. At First Anoop and Srijit greeted me and asked for my introduction and I introduced myself. Then he said to me that he would go with the general HR question. He asked me about my college, Hometown, Hobbies, etc. He asked me about the challenges I faced and also my projects. It was a normal HR interview and I was confident throughout. At the end of the interview, Anoop told me that I have been selected. This round went for 1 hr.

## **Things to prepare**

### **Aptitude**

Biotic Questions

RS Agarwal

Indiabix

Careerride

**Practice min 1 hr per day!**

## **Data Structures and Algorithms**

- Linked List, Stack, Queue, Tree, Graph
- Recursion, Backtracking, Dynamic Programming
- Sorting and Searching
- Practise Leetcode Easy Question
- Try to give CodeChef, code forces contests.

## **OOPS**

- <https://whimsical.com/object-oriented-programming-cheatsheet-by-love-babbar-YbSgLatbWQ4R5paV7EgqFw>

## **DBMS**

- <https://whimsical.com/dbms-roadmap-by-love-babbar-FmUi8ffVop33t3MmpVxPCo>
- <https://www.youtube.com/watch?v=kBdIM6hNDAE&list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOkT2Y>

## **CN**

- <https://whimsical.com/networking-cheatsheet-by-love-babbar-FcLExFDezehhsbDPfZDBv>
- [https://www.youtube.com/watch?v=JFF2vJaN0Cw&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV\\_](https://www.youtube.com/watch?v=JFF2vJaN0Cw&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_)

## **OS**

- <https://whimsical.com/operating-system-cheatsheet-by-love-babbar-S9tuWBCSQfzoBRF5EDNinQ>
- <https://www.youtube.com/watch?v=bkSWJJZNgf8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p>

## **Important tips**

- Your resume is your question paper
- Don't fake in resume
- Don't copy projects
- It's ok to say no to questions asked by Interviewer. Just be confident

## **Contact**

Linked In: <https://www.linkedin.com/in/kapil-shanbhag/>

Contact No: 9986248988.

Email id: 2gi18cs063@students.git.edu

Message or call if you have any queries.

Name: Shirish Tarihalkar  
Email: [2gi18cs130@students.git.edu](mailto:2gi18cs130@students.git.edu)

## 1. How many rounds were there?

- There were 4 rounds:
  - Aptitude and Coding round
  - Technical 1
  - Technical 2
  - HR round

## 2. What was asked in each round?

- **Aptitude and Coding round:** Most of the questions in aptitude were from P&C and some logical questions. Coding questions were from GeeksForGeeks problem solving.
- **Technical 1 and 2:** Questions on DSA, SQL and basics of OS and CN. Most questions were regarding projects mentioned in the resume.
- **HR round:** Personal questions like why do you want to work in this field and why redbus.

## 3. If you want to be placed in redbus , what would you do? How would you prepare? What are your suggestions?

- For the Aptitude round I would go through the ES material thoroughly.
- For Coding round I would practice coding questions on GeeksForGeeks as 2 out 3 questions which were asked were from GeeksForGeeks.
- For Technical questions I would go through the core subjects and be strong with the skills and projects I have mentioned in the resume. Most questions will be focused on the skills and projects mentioned in the resume so be careful while filling it.
- For the HR round I would prepare all the most asked questions in the HR round and also prepare some questions to ask the interviewer.

**Few of the questions which were asked:**

- 1) Create a stack.
- 2) Create a circular linked list.
- 3) Reversal of single linked list.
- 4) Questions about Frameworks used in Web development.
- 5) Simple SQL queries.

**TCS DIGITAL**  
**INTERVIEW EXPERIENCE**

### **Brief Abt Company:**

TCS Digital, The prime job profile for which TCS hires extra-ordinary freshers is named Digital, for which the salary package is **7.5 LPA**. Based on their interest, candidates are mapped to various units such as IoT, AI, ML, Big Data, Virtual Reality, BlockChain, NLP, and so on.

### **Eligibility Criteria:**

All Branches B.Tech, M.Tech

% in X and XII – 60%

UG – 7.0 CGPA

### **Number of Rounds: 2 rounds**

***Round 1- Online assessment***

***Round 2- F2F Interview [ Technical + Managerial + HR ]***

### **Details:-**

#### **Round 1 (Online Test):**

TCS conducts PAN-India Online assessment, and based on the cut-off, On clearing of which we receive the mail for the 2nd round.

Round 1 (Assessment) includes 2 sections, Aptitude like Verbal , Quantitative & Some Logical questions and Section 2 contains Coding Questions ( Medium level )

Aptitude was comparatively slighter harder than the coding questions.

As per conversation with my colleagues, Coding Questions were unique.

#### ***Questions for me were-***

##### **1. Array Rotation (easy)**

Description- Write a function rotate(ar[], d, n) that rotates arr[] of size n by d elements.

Solution-

<https://www.geeksforgeeks.org/array-rotation/>

##### **2. Longest Substring with K Distinct Characters ( Medium)**

Description- Given a string you need to print the longest possible substring that has exactly K unique characters. If there are more than one substring of the longest possible length, then print any one of them.

Solution-

<https://www.geeksforgeeks.org/find-the-longest-substring-with-k-unique-characters-in-a-given-string/>

**Round 2:** was the Online interview, Having 3 professionals in the panel, HR, Technical Adviser and Managerial i.e this round was the combination of HR+Technical+Managerial.

Interview went something like this,

Initially, They Started with a small talk, asking about how Online Studies going, Am I enjoying the Online culture or not etc kind of. Then

>> HR, Asked me to Introduce myself.

>> After Intro, They asked about my most preferred Digital Technology ( I said AI/ML & Data Science).

>> On saying my preferred technology, Managerial Interviewer started asking questions revolving around that preferred technology.

For Example Some Questions were,

1. Explain Projects built on your preferred technology.

2. Tools used?

3. Why did you choose these project topics to work on?

So basically, after my Intro, the first 10-15 mins were spared on discussing about my projects.

>> Then Technical Interviewer started with the technologies/skills I had mentioned in my resume, after a small discussion of 2-5 mins on resume skills, He followed with asking some DSA related questions, example

1. What kind of Data Structure can be used to build 2 way switching tabs/webpages?

My answer- Doubly Linked List

Then asked me to explain how I'll be implementing that for web pages. ( Just Approach)

2. Asked about working few Advanced Algorithms and their real life application like

- Dijkstra's Algorithm
- Floyd Warshall
- Some Questions on Trees & Graphs (uses and real life application).

3. Asked about, The Toughest algorithm I have encountered And Why DO u think it as the toughest one?

*My ans- Boyer moore & Knuth Morris Pratt (KMP) [String matching algorithms]*

This Overall technical conversation went for about 10-15 mins.

Then few Managerial Questions like

1. Do you work in a team?

2. What do you prefer, Working in a team or solo?

3. How did you overcome/solve any conflicts between the members of the team led by You?

4. Will you be going for higher studies?

5. Your experience of working in a team?
  6. What/In which life scenario made u few feel, U went out of your comfort?
  7. Why do you wanna Join TCS?
  8. Who is your role model?
- etc

This was for around 7-10mins

Finally, HR asked, ``What if I'm given a "TCS Ninja" profile instead of Digital, Will you still be joining tcs?

and with answering this, the interview ended!

- ***OVERALL Difficulty:- Medium***
- ***Coding in an interview:- Just explaining the Approach.***

***TIP: Self confidence is the key!!***

***Once You clear online assessment, the later interview round you can handle with a strong/ confident resume & Confidence in answering.***

***ALL THE BEST***

Sahil P Gaonkar  
[spgaonkar93@gmail.com](mailto:spgaonkar93@gmail.com)

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***ALL THE BEST***

Sahil P Gaonkar  
[spgaonkar93@gmail.com](mailto:spgaonkar93@gmail.com)

**UGAM**  
**INTERVIEW EXPERIENCE**

# UGAM INTERVIEW EXPERIENCE

Akshata Chavan

akshatachavan06@gmail.com

## **ROUND 01**

It was an online test for 45 min with 40 questions that were based on data interpretation, verbal ability, logical reasoning and quantitative aptitude. Coding questions were not included overall the questions were easy and based on data visualization and analysis

## **ROUND 02**

It was group discussion that was conducted online we were given around 2 minutes to speak on the topic. The topic was around Artificial intelligence or basically how technology is used to solve day to day problems

## **ROUND 03**

It was technical interview that was conducted online. For me it was rough around 40 minutes interview

Q1.I was asked to introduce myself and then questions based upon the projects that I have worked on.

Q2. SQL questions based on joins.

-What is data lake?

- What is normalization? Its advantages

- A query was asked to solve (basic one)

Q3.A logical riddle was asked I don't remember the question exactly

Q4. Python code: Given aaabbcd

Output 3a2b1c1d

Q5. Some basic questions on object-oriented programming like what is inheritance explain its types

Q6. He asked me field of interest as I had mentioned data science, he asked me if I know any machine learning model and explain it.

Q7 Marketing based question

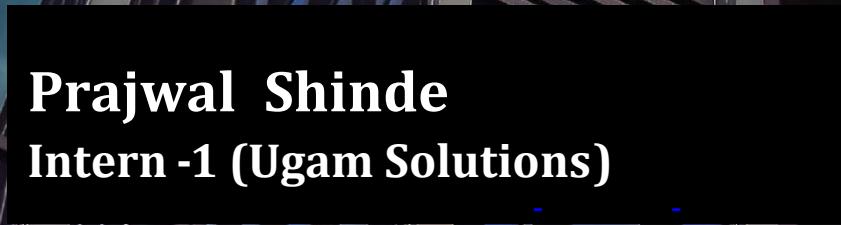
A pen with making, marketing cost was given the interviewer asked me how would I analyse the price and increase the sales of the pen.

## **ROUND 04**

It was telephonic based Hr round where I received a call from Ugam, this round basically was asking about interview experience and family background questions. Roughly around 10-15 min



Interview  
Experience  
with  
**Ugam  
Solutions**



**Prajwal Shinde**  
Intern -1 (Ugam Solutions)

# Title of Contents

S.NO	Title	Page No
01	Job details	03
02	About company	05
03	Detailed Interview Experience	07
04	How to Prepare tips	10

Job Title: Analyst

Location: Bangalore/Mumbai

Experience: 0-1 Year

CTC:8.5lpa

**Profile Description:** This person's key responsibility will be to work with clients to understand their business problems and help articulate the problem with an analytics framework.

#### Key Responsibilities:

- Understand the business of Ugam and client needs in specific
- Work with clients to understand their business problems and help articulate the problem with an analytics framework
- Build relationships with clients to better understand their business, and to enable them to better understand how to use analytics to drive their business
- Work with onsite and offshore team to structure solutions based on analytics tools and techniques
  - Develop code, statistical models, dashboards and ppt's as per client requirements
  - Present the results of the work to client stakeholders and give insights and recommendations that have tangible business impacts
  - Handle key projects with minimum assistance from the supervisor • Successfully deliver Pilot projects
  - Compliance of structured problem-solving approach and documentation of the same
  - Meet and exceed client expectations with high quality, timely deliveries
  - Assist the team in process improvement / automation to increase efficiency
  - Adhere to procedures like communication protocols, operational practices / procedures, Information security practices, attendance procedures, etc

**Qualification:**

- BE/B.Tech, Masters (Computer Science/Mathematics) • Advanced degree in a quantitative discipline, preferably Mathematics/Statistics or similar will be an added advantage

**Relevant experience:**

- 0 to 1 year of relevant experience in analytics consulting and professionalservices
- Experience on modeling and deploying analytics solutions with clients or exposure to Retail and/or Consumer Brands would be an added advantage
- A strong appreciation for Math, Retail Business and Technology
- A strong quantitative mindset: You don't have to be a Statistics major, but you do have to know how to work with numbers.

**Technical/Domain:**

- Good in PPT and Excel
- Ability to write Code /SQL to extract data from clients databases
- Experience on dash boarding tools like Tableau, Spotfire will be an added advantage

## About Company:

**Five of the top 10 U.S. retailers, four of the leading Australian retailers, many of the world's largest brands and online marketplaces, and 13 of the top 25 market research firms work with Ugam because of its ability to deliver high-quality insights with unmatched customer experience.**

Ugam is a global leader in managed analytics that helps retailers, brands and market research firms transform big data into valuable insights. The company's unique managed services offering combines a proprietary big data technology platform with deep domain knowledge and analytics expertise to empower clients to make decisions that improve their business. For retailers, online marketplaces and brands, Ugam supports better merchandising, marketing and channel management decisions through the use of analytics. For market research firms and insight-based consultancies, Ugam offers a portfolio of solutions including end-to-end research operations, technology transitioning support, and data warehousing, visualization and reporting that enables them to better serve their clients

## Success stories across industries

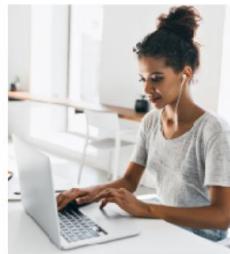
### Retail & Consumer Goods

Leveraging AI/ML to Analyze Feedback and Improve Customer...



### High Tech

Delivering Skilled Resources For a Leading Technology Company



### Banking, Financial Services & Insurance

Transforming the Digital Experience for a Global Insurance Company



### Distributors

Large IT Distributor Makes Better Pricing Decisions With Data-...



### Market Research & Consulting Firms

Optimize and modernize research operations to make it future ready



## Current work that we do:



### Data Engineering for Cloud-Powered Analytics

Learn how businesses can unlock better, faster and scalable insights using cloud.



### Better Pricing Decisions with Data and Analytics

Read our top success stories to understand how leading distributors have been able to make better and more confident pricing decisions using data and analytics.



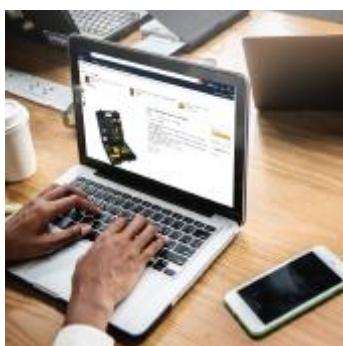
### Guiding Impactful Data-Driven Merchandising Decisions

Read this eBook to learn how distributors are making impactful merchandising decisions with Ugam's data-driven approach.



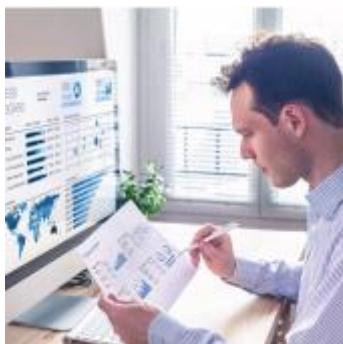
### Improve Sales and eCommerce Performance with Data-Driven Insights

In this eBook, learn how leading distributors are using data-driven insights to improve their sales and eCommerce performance.



### Improve CX and Conversion with Better Product Content

Read this eBook to understand how leading distributors are leveraging Ugam's comprehensive content offerings to improve customer experience and conversion.



### Digital Transformation for Manufacturers

Learn how manufacturers are embracing digital transformation by monitoring and improving their digital performance using data and analytics.

### 2017 Holiday Retail Analysis: Voice Shopping

The recent influx of voice devices has given retailers a new consumer touchpoint. Ugam analyzed how retailers and brands competed via voice as the 2017 Holiday Season kicked off.

## Detailed Interview Experience

### Round 1 (Online Round):

I was totally an analysis round. We were given questions related to analysing the graphs, the problem statements just like the scenario and answer the questions pertaining to that and this was on the dataset given. The questions were of moderate level where if you are best with analysing the problems and thinking in an analytical manner you will be easily solving them.

There were questions related to statistics mean, median, mode, inter quartile deviation etc.

Understanding of basic statistical and probability is important in this.

There were questions related to python. So python is an important language to be brushed up on.

They asked the code outputs and basic initial datastructures related questions.

There were 3 sections in this round.

1 section comprised of totally maths(statistics)

2 section comprised of graphs and scenario based questions related to dataset.

3 section was general coding python questions

### Round 2:(Group Discussion round)

1. In this round we were given a topic and we needed to speak up on that eg: work from home

2. We needed to speak up on that and bring some critical insights or conclusions from our points.

3. The persons who takes into account all the problems and solutions related to scenario and has good observation abilities and analytical abilities, they were selected.

4. You must have a good communication skills.

5. After 10 mins of individual speech, they we needed to discuss with group about all solutions, conclusions etc.

6. Be sure to make your strong points related to scenario.

### Round 3(Interview round):

- 1.I had the interview with 11 year full experienced ui,data analyst expert.
- 2.I showcased all the machine learning related projects which added to my advantage of being a enthusiastic learner.
- 3.Then the questions were based on my ml projects ,he asked reasoning related questions.
- 4.After that he asked about hobbies and then started with real world maths scenarios.
- 5.You need to be able to calculate and apply aptitude and reasoning for this .  
Eg :You like travelling ,so tell me the no of vehicles in a petrol pump that you visited while travelling,what could be the profit to petrol pump per day,how many vehicles were visiting to the pump,etc.  
So a scenario and all maths calculations .
- 6.They also asked what are your hobbies,tested whether you have real world knowledge
- 7.How do you see yourself in 5 years.
- 8.He will test you if you are on spot thinker on analysing and deciding what decision will be best on general real world examples.

### Part 2(technical round):

- 1.They asked me to explain projects and they asked why this ..like questions related to libraries that I used and also if you used any algorithms why that ,...  
Eg I used neural network for churn prediction so all questions related to neural network was asked.
- 2.I explained all ui work and also questions were based on design principles etc.
- 3.so the work that we choose were asked reasoning related questions

### Part 2:

#### Coding(python):

- 1.The coding in python was basic coding question:
- 2.They ask easy datastructure related and algorithmic python questions, Such as printing range of prime numbers etc,time complexity.
- 3.They may ask sql queries,joins,group by clauses etc.

HR round: (final):

- 1.They asked me about what domain you would like to work with.
- 2.What are you career interests..etc.
- 3.Why you like to be a part of ugam.
- 4.What you like to be in future.
- 5.What makes you different etc...

Tips for preparing:

- 1.Be perfect with python ,its datastructures ,coding practises also will be advantage.
- 2.Be perfect in probability,stats etc at least some basics.
- 3.If you had worked with machine learning or datascience projects it will be added advantage.
- 4.Practise communication skills,you must have ability to reason and convince anybody ,so practise that on regular basis.
- 5.Practise sql and work with complex queries.
- 6.If you have the cloud knowledge like google bigquery ,google analytics it will added advantage.
- 7.You can join the analytics domain and also can align to path of datascientist,dataengineer,ml scientist etc.



# INTERVIEW EXPERIENCE

Meghan Ghivari  
Data Analyst



# **Know the company well**

---

- Read about the company from the internet
- Go through the JD sent by the company
- Go through their website, read their mission, vision and values.
- What kind of projects do they work on?
- Who's the CEO? How many offices do they have? which is their headquarters?

Just read as much as possible about the company, it shows you are well prepared.  
The pre-placement talk is also very helpful and you can ask your queries to the speakers there.



# Apti Round

---

- First round is of 45 minutes, you have around 40 questions on various topics like verbal ability, Logical reasoning, Quantitative, most importantly Data Interpretation.
- Bizotic was quite helpful here.

# Group Discussion

---

- This was conducted in groups of 8-10
- Topic could be technical or non technical
- Understand the topic properly, if not ask the moderator to clearly the topic
- 2-5mins prep time will be given to prepare
- You have around 2 mins to speak on your content
- Try to be the first person to start the topic or be the last person who gives the conclusion
- Most importantly it's a discussion not a debate, so both affirmative and dissenting opinions are welcomed.
- Do not cut anybody while they are talking, wait for your turn.

My topic was "What are the do's and don'ts of a group discussion".

# Technical round

---

- Make sure you make an amazing first impression with your introduction, talk about your skills, projects, interests, why you want to be in Ugam etc.
- Go through websites like edureka, javatpoint and read the questions like " top 50 DBMS interview questions" for all topics like dbms, sql, python, oops, cn.
- Questions i was asked:
  - 1.I had to explain my projects, was asked questions on those projects like why did i choose this? could there be any other tool used instead of this?
  - 2.I was asked 2 sql queries which were simple.
  - 3.I was asked a write a snippet on reversing a string.
  - 4.Write an algorithm on "Eating Kellogg's cereal for breakfast"
  - 5.DBMS questions like explain normalisation, types and importance
  - 6.Explain concepts of OOPs.
- This round lasted for 30mins.
- At the end of the interview ask questions to the interviewer like How does your day in Ugam look like? or How has been their growth in Ugam? or about the projects they are working currently.



# HR round

---

- This was telephonic round
- Questions were asked on Family BG, Educations BG, Skills, Relocation options
- Few questions were asked just to know your personality like
  1. What do you feel about work-life balance
  2. what's your priority : Family, career, love and money
  - 3.What did you do during Covid-19 lockdowns
- Always Justify your answers
- The HR round was very friendly.
- At the end of the interview ask questions to the interviewer like How does your day in Ugam look like? or How has been their growth in Ugam?
- Most importantly be yourself in the interviews.



# My experience with Ugam

---

- The colleagues are really friendly and you can reach out to them very easily.
- Currently in our internship we have training and project going on simultaneously
- We have resources provided by the company on Excel, Exploratory Data Analysis, Stats, Data science, Cloud and python.
- Project mentor are amazing like they are always available to help you with your doubts and queries.

All the very best!





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# **Ugam Interview Experience**

## **Technical Round**

### **SQL**

Questions were asked related to SQL

- 1) Basic definitions of SQL.
- 2) Concepts related to 1NF, 2NF and 3NF
- 3) SQL basic queries (More focus on Joins)

### **OOPS**

Questions related to Inheritance and Difference between function overloading and overriding

### **Project explanation**

Project explanation (the one mentioned in my resume) and were asked few questions like which approach used in the project and Challenges faced during the implementation of the project.

### **Puzzles (3 puzzles asked – Puzzles were asked to see how we plan, think and solve complex problems under pressure)**

- 1) The Water jug puzzle

You have an 8 litre jug full of water and two smaller jugs, one that contains 5 litres and the other 3 litres. None of the jugs have markings on them, nor do you have any additional measuring device. You have to divide the 8 litres of water equally between your two best friends, so that each gets 4 litres of water. How can you do this?

- 2) Another puzzle related to distance and speed.
- 3) Man Fell in Well Puzzle

### **HR ROUND**

- Tell me about yourself
- Why do you want to work for our company?
- Your Strengths and weaknesses
- Preferred Location
- Willingness to relocate
- Where do you see yourself in 5 years?
- Job Role

Aditya Rajendra Shanbhag

CSE 'A' Div

# INTERVIEW PREP





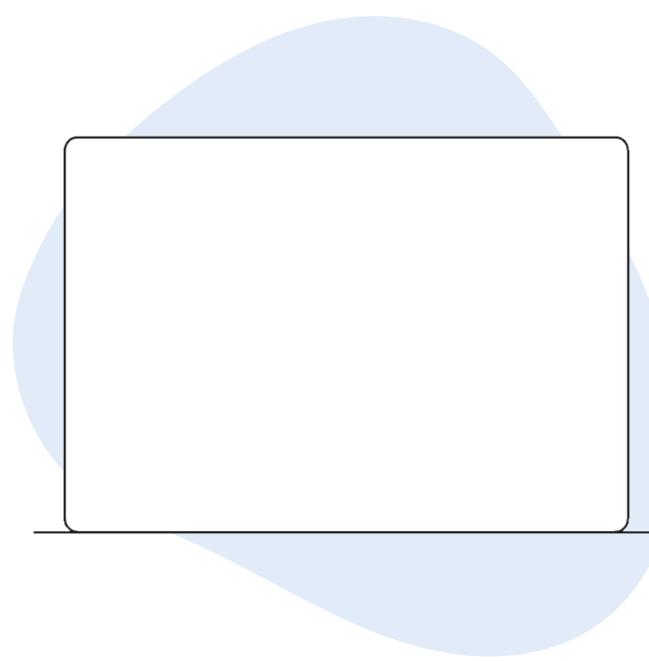
# ROUNDS AT UGAM

1. Aptitude
2. GD
3. Tech Interview
4. HR Interview

# what helped me



Being consistent



Be Patient



Stay Motivated

# prepare before interview

01

Quants

02

DBMS

03

Role Based Interview  
Questions

04

Brush up Basics

05

Check out Aptitude  
Questions on Graphs

06

Hr interview Questions



Aishwarya Kudatarkar  
Data Analyst

# Questions

Know the basic puzzles.

Know your resume very well.

Be very clear with the projects you have mentioned.

Having python related projects, and some knowledge on python would add an advantage.

## Round 1:

Online test for 45 min having 40 questions

Questions were based on data interpretation, verbal ability, logical reasoning and few quantitative aptitudes.

No coding questions were asked in first round.

## Round 2:

Group discussion that was conducted online we were given around 2 minutes to speak on the topic. The group in which I was present, the topic was regarding Artificial Intelligence. Will AI replace Humans? Was the topic.

## Round 3:

1. I was asked to introduce myself and then questions based upon the projects that I have worked on.
2. The puzzles asked to me were,
  1. You have a birthday cake and have to cut it into 8 equal pieces by making 3 cuts only. How do you do it?
  2. There are 25 horses among which you need to find out the fastest 3 horses. You can conduct race among at most 5 to find out their relative speed. At no point you can find out the actual speed of the horse in a race. Find out the minimum no. of races which are required to get the top 3 horses.
  3. Some questions on object-oriented programming like what is inheritance explain its types, polymorphism.

4. SQL questions, like joins and normal forms. Theory regarding normal forms and not to convert the data into any other normal forms.  
One basic query was asked related to pattern matching.

Round 4:

Hr round was conducted on phone, where I received a call from Ugam the day I finished my technical interview, this round basically was asking about interview experience and family background questions. I was even asked about location preference. Interview was around 15 - 20 minutes.

Currently we are working with Excel, Exploratory Data Analysis, Statistics, Probability, Python, and few ML algorithms.