

Placement points

1. Give contest on all platforms
2. Write comments
3. Speak with Interviewers if you don't know how to solve
4. InterviewBit
5. DBMS CNS OS **OOPs**
6. system designing
7. approach step by step up
8. **Oops(saurabh shukla or balaguruswami book)**
9. Resume(sure of things)
10. DBMS project (deep knowledge)
11. Gaurav Sen - system design and IB
12. HR make your intro strong
13. Write proper variable name in pseudocode
14. Interviewer can ask to present your project
15. Div 2 A B fast solve enough for coding round
16. Search about company
17. Make sure your code accepted at once
18. Saw past interviews of that company
19. Solve puzzles of Gfg
20. OS anish mathuriya
21. CNS gfg last minute notes
22. **Oops-study tonight**
23. Be honest but don't be too honest 😊💯
24. Mock interview with friends (imp)
25. For Front end company - CSS, react, js
26. Amazon-direct gfg
27. Deep research about project
28. Do not cheat..
29. 2 resume one daiict and other non daiict
30. Start from the base even if you know optimal, humble, calm, don't make spark that you know the question
31. **Morgan Goldman(banking companies) - oops**
32. Be properly dressed

OOPS

<https://www.edureka.co/blog/interview-questions/oops-interview-questions/>
<https://www.interviewbit.com/oops-interview-questions/>

Tell me about yourself

First of all I want to thank you for giving me an opportunity to introduce myself.

So, Hello My name is Tulsi Shah. I am from Gandhinagar Gujarat. So talking about my technical skills, I am quite good at competitive coding. Even I am in Programming club of my college. I am also good at web development. So far of my family background concerned we are 4 members in my family. I am the youngest one. My father is working in bank and mother is house wife. I have one sister who is also computer engineer. My hobbies are playing badminton, singing and dancing. That's all about me, Thank you.

Tell me your strengths and weaknesses

Strengths

1. I am very punctual in time.
2. I like perfection in my work.
3. I am very patient person

If ask How

1. In meetings whether it is formal or informal I reached before 5 or 10 min. I don't like to make someone wait for me.
2. If someone gives me work and if I forgot to add something in between and if I realize it later then I can do the whole thing from scratch until I get satisfaction.

Weaknesses

1. I am too sensitive.
2. I trust people easily.

If ask How

1. If someone told me hurtful things then I can not easily forget it.
2. If I am doing something important which needs concentration and someone disturbs me like tulsi do this or that then I become a little bit angry.

Why should we hire you?

So I think I have the knowledge and skills that are required for this job. I have a good learning attitude. Furthermore, I am very honest and dedicated to my work. I am good team player which is required because most of the company work is in team and I can work well an individual too. So overall I can be a good asset for a company.

Why do you want to join us?(company name-_____)

Sir/Ma'am, I have a dream to work with a successful and reputed company like yours. The _____ is very famous company in our college, every good coder of our college are placed in the _____ and I really want to be one of them. I have heard from my seniors who were placed at _____ that the work environment is amazing and they really feel proud of work here.

also I am a fresher and looking for an opportunity to start my professional career. I have always looked towards organizations like yours to kickstart my career.

So this is a golden opportunity for me to work here and enhance my knowledge.

Tell me about your projects

Space Agency Database

Okay so firstly I have done one project in database management. We made SQL database for space agency.. In this project firstly we made SRS(System requirement specification) like what users wants from our database. like stars, blackholes, planets, etc, What are the dependencies? What are the relations. Then we made ER diagram for the project and decide cardinality. we also normalized the database. it. like one-one one to many etc. then we create DDL script for all the tables and then finally load all the table in postgresQL. and made different queries.

Online Faculty and staff directory for multi university

My second project was In software engineering. This project was in group of 10. We worked through github. So in this project we need to make one websites for users to find faculty and staff data of different universities. We provide faculty name, address, phone number, email, subject, university etc. basically there are three actors in our project user, faculty and admin. Admin can add or delete data of any faculty. Faculty can edit their own profile and also see other faculty profiles. And normal user can search and apply different filters without login. As our requirements was clear so we apply iterative waterfall model in this project. Firstly we made SRS for this. We find functional and non function requirements. Identify actors and stakeholders. Also we draw user, state, activity, class diagrams. We made this website with react, firebase and django. As this was group project I made login and admin pannel. In login I simple made function that fetch email and password from database and if both meets then they logged into the system otherwise show inbuilt error that email or password is incorrect. In admin access If email id and password is from super user then it shows admin view. We also have done blackbox testing and unit testing of our project. Finally we were successfully made website that is fully responsive and working in real time.

Communication Project

Also I have done one project in communication system. We used c++ language in this. We made basic encoder decoder for messages which we pass through channel. In channel there is high probability of error due to noise. We made encoder which encode this original message then we pass through it channel and then decode it by decoder.

Nano project

So I have One Research in Nanotechnology. So firstly we have done some experiments in CMOS technology and then we have done the same By CNTFET and at the end we find that CNTFET is better over CMOS. also we have published paper at the end of research.

Digital Timetable

Also I made Digital Timetable for my batchmates. As in this pandemic all the classes were scheduling online, people find difficult to store links for lectures. So I made timetable which shows every lecture and labs of that day with links attached with them. I used HTML, CSS and javascript for this.

Remote control car

Then I want to talk about remote control project. This was a group project of 4 people. we made a remote control car in this project.

First of all we made a schematic for our car in autocad. And then using pvc pipe, tyre, battery And so on we made the car. In fact at the end we had the race with our batchmates car unfortunately we did not win that.

Magic Notes and Calculator

Also I made basic projects like magic notes and calculators in html, css and javascript. Magicnotes was like Notes on the Phone.

You are fresher and we are another person who is experienced then why should we choose you?

Experienced person will do the thing in only one way which he/she knows but as I am a learner so I will try to optimize it and also try to find other better solution also I am a very enthusiastic person. So I think I can do the things in a better way.

You have done only competitive coding then how will you cope up with another technology?

Sir/Ma'am, Competitive coding is like brain exercise. It improves my logic-building skill and taught me to work in an under-pressure situation as well as write a solution that takes less time and memory, which is very important in real-life projects. Also I want to say that learning a new language is not a long process like we can learn it by any website or course. But logic building is a long time process and can not learn by watching any videos so I have worked on that.

Tell me about your college experience/Engineering life.

First of all, I have a dream to be a daiictan. I worked very hard to get admission into DAIICT because it is one of the best college in Gujarat. Then finally I got admission and I was very happy. Daiict provides very good courses. I have learned a lot from it. Also labs were very good and productive. Because in labs we were implementing what they taught in lectures. So we get both theoretical and practical knowledge. Also talking about campus life, the Hostel was compulsory so the campus was very live all the day and sometimes nights also. Like people were awaking and roaming around on campus the whole night.

I enjoyed a lot every festival celebrated in the college. More, I made very good friends who helped me in every situation. Further, We also have a 4-day annual festival which calls synapse. People were enjoying these 4 days a lot. And campus was full of people. We had comedy shows, concerts and also different events. Also In this I have coordinated one event googlcockholmes. Which gave me a wonderful experience of organizing an event. These were the best 4 days of my college life. But unfortunately, because of covid, we are not able to go to college. I really miss my campus. I can say that these years were the best part of my life.

There was only one difficulty that I faced that I came from Gujarati background and at the first, it was hard to understand in English. But after great efforts now I can proudly say that I am able to speak and understand English very well.

Biggest Difficulty of your life

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Biggest failure in your Life

I don't face that much big failure yet but yes in my second year I tried very much to get internship but I didn't get at that time I feel very low and bad but then I stand up again and think this failure as a I need revision for next step so then here I am just a better version of mine.

How would you describe your ideal job?

okay so In my opinion where I can only learn technical stuff is not an ideal job but I want the culture of the company very good also supportive seniors and friendly environment where I can get all over development mentally and physically

What are your goals?

So my short term goal is to get a job in big and successful company like yours and learn as much as possible in both professional and non professional work. My long term goal is to be in higher position and atleast lead small team.

Why choose this career?

To be honest i have never thought to choose this career. But when I passed out my 10th i was confused to take a major subject. So i talked with one of my sir and he suggested me to choose maths. But now it has become my passion and i really enjoy working with computers and with programming languages.

what accomplishment give great satisfaction in your life?

Okay so in my 12th I want get admission in Daiict. Daiict is very reputed college and getting admission in it is not very easy so I put very much hard efforts and finally get 95% in 12th board and secured 161 rank in all over gujarat so it gives me great satisfaction and I feel like I make a history in my family 😊

Is money important to you?

honestly said yes, bcz in one side I want to learn but other side I want earn also. I want to live independent life and do what ever I want I want to travel , do some exciting things and obviously this will take cost and I don't want to be a burden on someone .

Tell me about the time when you work effectively under pressure?

so recently we have a research internship under one professor and she give us a lot and lot work every day and ask to saw every day so for completing that we work hard day and night as a team and finish it. and finally ma'am praised our team that you are very hard working and you people are like a saint. so feel very proud after that 😊

About Rural Internship

I did the rural internship around in december 19. So it was a group internship of 20. So we went to the NGO named Environmental Sanitation Institute(ESI) which is located at Ahmedabad, Gujarat and then there NGO People told us about the work which we were going to do. So we divided our work in 2 groups and then went to the village named sughad. So one group taught maths, physics and english to higher secondary students and the other group taught basic things to 3 4 years children like abcd, 1 to 20 and name of animal, birds. We also gave chocolates and food to kids. We taught self-defence techniques to girls of Village School. We went on village trips where we saw how the people of village lived and tried to grasp their local culture.

// Tools and Technologies

1) LT spice

It is Free Software which is used for electronic circuits simulation. Which allows us to analyze the performance of our circuit design.

2) Cadence

Cadence is also Software used for electronic circuit simulation. Which allows us to analyze the performance of our circuit design. It has more features compared to LTSPice. In this we can build the model of our circuit. so we can use it in different circuit. we don't have to make it again. It provides a facility to convert digital signal to any other base system like decimal, binary or HEXA code. It is paid software.

3) Netsim

It is a network simulator. In this we can create our own network and analyze it. It provides a highly modular platform for wired and wireless simulations supporting different network elements, protocols, traffic, and routing types.

4) Latex

LaTeX is a document preparation system. We can create documents by typing the command.

In case if they ask what is it.

What changes would you make at your college?

I will change the examination duration like they took exams every month so we don't get more time for extra curricular activities which are as important as academic

How has your education prepared you for your career?

So yes my education has provided me good subjects like data structures and algorithms ,os, Electronics which helps me to understand fundamentals easily. Apart from that it also provided me the good projects which helped me to improve my understanding and knowledge.