

HR Interview Questions

1) Self Introduction:

Good afternoon, Sir. My name is Akash Gopal Pandit, and I am from Amravati. I am currently in my final year of B.E. in Computer Science and Engineering at Prof. Ram Meghe Institute of Technology and Research.

I have a strong foundation in C++ programming and have studied Data Structures and Algorithms extensively. I've solved over 400 DSA and competitive programming problems across platforms like LeetCode, GeeksforGeeks, CodeChef, and Codeforces. I currently hold a 2-star rating on CodeChef and have won several coding contests in Amravati.

In addition to competitive programming, I have practical experience in web development using the MERN stack, with a focus on frontend development, particularly React.js. During my studies, I worked on several projects, including PATHWAY, a real-time chat application with WebSocket integration and JWT authentication for secure communication. I also developed an Invoice Generator that automates tax and discount calculations and generates PDF invoices using jsPDF.

I am passionate about leveraging my technical skills to solve real-world problems and create impactful software solutions. I believe my skills and experiences align well with the goals of Cognizant. I look forward to contributing to your team and growing as a software engineer.

2) About Family:

My family consists of four members, including me: my father, mother, and younger brother. My father works as a supervisor at Laxmi Oils Mill, my mother is a dedicated homemaker, and my younger brother is currently in his first year, pursuing a B.Tech at Vishwakarma Institute of Technology, Pune. My family has always encouraged me to focus on my education and grow both personally and professionally.

3) Strength, Weakness and Short term and Long term goals:

Short-Term Goals:

In the short term, I want to start my career in a company like Accenture, where I can apply my skills, learn from real-world projects, and grow as a software

developer. My focus is on improving my technical knowledge and making meaningful contributions to the team.

Long-Term Goals:

Gain expertise in my field and be a better software engineer

Over time, I aim to take on leadership roles, manage innovative projects, and help drive the success of the organization. I also want to keep learning about new technologies and growing as a professional to stay ahead in the tech industry.

Strengths:

I have strong problem-solving skills in Data Structures and Algorithms, which I've honed by solving over 400 problems on platforms like LeetCode and Codeforces. I am proficient in C++ and have a solid understanding of programming fundamentals. Additionally, I am a quick learner who adapts easily to new technologies and tools, allowing me to excel in dynamic environments.

Weakness:

I sometimes take on multiple tasks simultaneously, which can impact my focus and time management. However, I am actively working on improving my task prioritization and time management skills to ensure I handle responsibilities more effectively and deliver consistent results.

4) Do you prefer working individually or collaborating with a team?

I'm comfortable with both. I like working individually when a task requires focus and independent thinking. But I also enjoy collaborating with a team because sharing ideas and working together often leads to better solutions.

5) Success and failure:

****Failure:****

During my 4th semester, I struggled with managing my time between learning DSA, programming languages, projects, and academics, which led to low performance in my studies. I lacked proper time management and task prioritization skills, which caused unnecessary stress and inefficiency.

****Success:****

I recognized where I went wrong and took steps to improve. I actively worked on my time management and task prioritization skills, which allowed me to become more efficient. As a result, I got better at DSA, successfully completed my projects, performed well in academics, and even won two coding competitions—one in Amravati and another at my institute.

6) How do you manage a conflict in your team?

When managing conflict in a team, I first listen to all parties involved to understand their perspectives and identify the root cause of the issue. Then, I encourage open communication and collaboration to find a solution that aligns with the team's goals. I aim to stay calm, mediate the conversation, and ensure everyone feels heard. If needed, I focus on compromise and finding common ground, while emphasizing teamwork and the importance of working towards shared objectives.

7) What is your least favourite subjects?

I don't have a specific least favorite subject, but I find subjects that require heavy memorization, like containing a lots of theoretical concepts, a bit more challenging. However, I still recognize their importance and make an effort to understand them.

8) Tell me about accenture?

Accenture is a top global tech MNC that helps businesses grow by providing innovative solutions in strategy, consulting, and digital services. The company works across various industries such as finance, healthcare, and communications. Known for its positive work culture, commitment to diversity, and focus on continuous learning, Accenture creates an environment where employees can thrive and develop their skills.

9) Why do you want to join accenture?

Accenture is a top global tech MNC that helps businesses grow by providing innovative solutions in strategy, consulting, and digital services. The company works across various industries such as finance, healthcare, and communications. Known for its positive work culture, commitment to diversity, and focus on continuous learning, Accenture creates an environment where employees can thrive and develop their skills. I believe it would provide an excellent platform to grow both professionally and personally. I'm eager to contribute my skills and be part of a team that works on impactful projects across industries.

10) Why should we hire you?

You should hire me because I have a strong foundation in problem-solving, especially in DSA, and I'm skilled in programming with C++ and web development using the MERN stack. I've read the job description and believe my skills align well with the requirements. I'm a quick learner, eager to take on new challenges, and committed to delivering high-quality results. I'm passionate about continuous learning and improving my skills, which aligns with your company's focus on innovation. I believe my skills and enthusiasm will allow me to contribute positively to the team and help drive success.

11) Extra - Curricular Activities

In addition to academics, I enjoy participating in online coding competitions. Offline, I take part in organizing and solving challenging problems, where multiple teams compete against each other. I love tackling new coding challenges and constantly push myself to improve. During my leisure time, I also focus on learning new skills that help me grow professionally and personally.

12) What was the most toughest decision you have made?

The toughest decision I made was choosing the right college after 12th grade, as it shaped my future career path. I had to weigh various factors like course quality, location, and personal growth opportunities. This experience taught me to analyze options carefully and make well-informed decisions.

13) Questions to ask?

Can you describe the company's work culture and how teams collaborate?

What technologies and tools are frequently used here?

Project Related Questions

1) Project in detail:

Here's a detailed explanation of your projects:

1. **PATHWAY - Real-Time Chat Web-App with Socket.IO (MERN Stack)**

- **Objective**: This project aims to create a real-time messaging platform using WebSocket technology for instant communication.

- **Key Features**:

- **Instant Messaging**: The app enables real-time text communication between users.

- **User Authentication**: Secure login and user verification are implemented to ensure that only authorized users can access the chat platform.

- **WebSocket Implementation**: WebSocket enables a full-duplex communication channel, which ensures real-time message updates and interactions.

- **JWT Authentication & Encrypted Data Storage**: JSON Web Tokens (JWT) are used to ensure secure user authentication, while sensitive data is encrypted for better security.

- **Technology Stack**: The app uses the **MERN stack** (MongoDB, Express.js, React.js, Node.js) for its backend and frontend development, ensuring high performance, flexibility, and responsiveness for users.

2. **Invoice Generator**

- **Objective**: This project automates the creation and management of invoices.

- **Key Features**:

- **React.js & Bootstrap**: React.js is used for building the user interface while Bootstrap ensures that the app is responsive and easy to use across devices.

- **Customer & Item Management**: Users can add customer details, as well as items and their descriptions, for generating invoices.

- **Automatic Tax & Discount Calculations**: The system automatically calculates taxes and discounts, ensuring accurate and up-to-date invoicing.

- **jsPDF-React**: This feature enables users to download and print the generated invoices as PDF files directly from the app, making it practical and user-friendly.

- ****Intuitive Interface****: The design focuses on simplifying the invoicing process, streamlining the workflow for users, and increasing productivity.

These two projects showcase a range of skills such as real-time web application development, secure authentication, UI/UX design, and PDF handling—all key abilities for a modern software developer.

2) things you learn from project in short 1 paragraph

From these projects, I learned how to implement real-time communication using WebSocket and manage user authentication securely with JWT in a MERN stack environment. I gained hands-on experience in building responsive web applications with React.js and Bootstrap, automating calculations for accurate invoicing, and generating downloadable PDFs using jsPDF-react. These projects also enhanced my problem-solving skills, ability to work with databases (MongoDB), and my understanding of designing user-friendly interfaces while ensuring data security and seamless functionality.

3) Any difficulties you have faced and how did you overcome it?

One difficulty I faced was integrating WebSocket for real-time communication in the chat application. Initially, I struggled with handling the persistence of messages and ensuring the real-time connection remained stable during network issues. However, I used this as an opportunity to learn more about WebSocket protocols and message broadcasting techniques. I also explored various libraries and documentation, which helped me understand how to maintain connections and manage message flow efficiently. This experience not only improved my understanding of WebSocket but also taught me the importance of debugging and testing in real-time applications.

OR

During the project, managing styling and structuring the frontend using conventional CSS and JavaScript was quite challenging, especially when dealing with responsiveness and maintaining consistency across different components. To overcome this, I learned and adopted ****Tailwind CSS****, which allowed me to implement utility-first styling more efficiently, reducing repetitive code and improving maintainability. Additionally, I started using ****React.js**** for component-based architecture, which made the development process more organized and modular. This shift significantly improved both the development speed and the user experience, while also allowing for more flexibility in managing the UI.