HR Questions Answer

1: Tell me about yourself

Thank you, sir, for giving me this opportunity to introduce myself.
My name is Aman Kumar, and I am currently pursuing a Bachelor of Technology in Information Technology from NIT Kurukshetra.

I am highly passionate in problem-solving and web development, which has motivated me to actively participate in competitive programming contests. I am a 4-star coder on CodeChef, Knight-rated on LeetCode, and near to Specialist on CodeForces.

I have also participated in several hackathons, including the Smart India Hackathon, where our team successfully qualified for the internal rounds in both 2023 and 2024.

In terms of academics, I have consistently maintained a CGPA of 9.0, and I was the branch topper in first year.

Apart from academics and coding, I enjoy playing chess, which helps me improve my strategic thinking. My current online chess rating is around 1300.

This is a brief introduction about me, and I would be more than happy to share more details if required."

2: Tell me about yourself that is not mentioned in the resume

One thing that is not mentioned in my resume is about my work approach and personality. I consider myself a fast learner, which helps me quickly grasp new technologies and concepts whenever required. I am also flexible when it comes to working in team projects as well as handling individual responsibilities — I adapt based on the situation and focus on delivering the best outcome.

Additionally, I'm a friendly and approachable person, which allows me to connect with people comfortably and work smoothly in collaborative environments. Another important aspect is that whenever I face a problem, I first try to solve it on my own instead of immediately looking for solutions. This habit has helped me build confidence, strengthen my problem-solving skills, and develop a deeper understanding of the concepts.

So, apart from the technical details in my resume, these personal traits define the way I learn, collaborate, and tackle challenges.

3: Why you want to join this Company (HSBC)?

I want to join HSBC because it is one of the world's largest and most trusted financial institutions, serving over 40 million customers globally. HSBC is known for its digital transformation, innovative solutions, and global impact, and I believe this is the right platform to showcase my skills and work on technologies that make a difference.

This role aligns perfectly with my skills in software development, web technologies, and data handling, which I've developed through hackathons, academic projects, and my internship experience. I'm excited about the opportunity to contribute to impactful projects where my work can directly benefit millions of customers and support the organization's growth.

Additionally, HSBC's work culture, continuous learning environment, and focus on innovation, which I believe will help me grow both personally and professionally while making meaningful contributions to the company.

4: What are your strengths?

I believe my strengths lie in a combination of technical adaptability, problem-solving skills, and collaborative nature. I can easily adjust to different situations, whether it's working individually, contributing to a team project, or learning new technologies. For example, during my Accenture internship, I quickly picked up new security tools and concepts and applied them effectively in a short period. I am also deeply passionate about my work, and my curiosity helps me learn quickly. Whether it's exploring a new tech stack or improving my coding skills, I constantly focus on upskilling myself.

I also enjoy solving challenging problems, which is why I actively participate in competitive programming and have achieved a 4-star rating on CodeChef and a Knight rank on LeetCode. In addition to my technical abilities, I believe my collaborative and friendly nature helps me work effectively with others. For example, during the Smart India Hackathon, our smooth teamwork played a key role in qualifying for the internal rounds in both 2023 and 2024. Overall, my strengths include adaptability, passion for learning, problem-solving mindset, and the ability to work well in teams.

5: What are your weaknesses?

My greatest weakness, which I've observed in myself, is communication fluency — not communication itself, but maintaining a consistent flow while speaking. Sometimes, while talking, I either speak too quickly or take longer pauses than necessary, which affects the smoothness of my communication.

To overcome this, I've been actively working on improving my fluency. I try to participate in as many presentations, classroom discussions, and events as possible where I get the

chance to speak on stage and communicate with people. Additionally, I follow Ming Jiang's public speaking videos on YouTube, which provide helpful tips on improving communication skills.

Over time, I've already seen significant improvement, and I'm consistently working on enhancing my fluency and confidence.

6: Where do you see yourself in next 5 years?

For the first one to two years, I would like to focus on learning as much as possible about this role, working on real-life projects, and gaining hands-on experience with new technologies. My goal is to build a strong foundation and develop myself into a subject matter expert in my domain.

After that, I see myself taking on greater responsibilities — contributing to larger projects, leading a team, and mentoring new joiners. I want to grow into a position where I can add significant value to the organization while also helping others grow along the way.

7: Describe a time you worked in a team?

One of my best teamwork experiences was during the Smart India Hackathon, where our team was winner in the internal rounds in both 2023 and 2024. These hackathons are highly competitive and require teams to quickly develop innovative solutions to real-world problems under strict deadlines.

Our team collaborated closely, from brainstorming ideas to dividing tasks based on individual strengths and it was not strict division like if some one has taken responsibility of frontend and lot of backend work is more then we also collaborate to work as well.

This experience significantly improved my teamwork skills, particularly in clear communication, collaborative problem-solving, and time management under pressure. It also taught me the importance of adaptability and how collective effort can lead to far greater results than individual work.

8: What relevant skills and experience do you bring to this role (HSBC)?

I believe I bring a good mix of technical skills, problem-solving ability, and teamwork experience to this role. I'm a tech enthusiast and have worked hard to improve my problem-solving skills by participating in various coding contests and hackathons. I also have a solid understanding of web development and data structures.

In the Smart India Hackathon 2023 and 2024, our team qualified for the internal rounds, where I took the role of project leader. This helped me improve my communication, leadership, and collaboration skills while working towards achieving our goals as a team.

Additionally, during my internship at Accenture, I worked in the security domain using tools like Splunk and CyberArk, where I learned how to analyze logs and detect malicious activities.

Overall, this combination of technical knowledge, problem-solving skills, leadership experience, and teamwork will help me contribute effectively to HSBC's growth.

9: Do you have any question for us (HSBC)?

Since there will be a gap of around six months before joining, if I get selected, could you suggest the key skills, technologies, or areas I should focus on during this time so that I can be better prepared and contribute effectively from the very beginning?

10: Tell me about your some achievements?

First, I was the branch topper in my first year at NIT Kurukshetra, maintaining a CGPA of 9.12, which reflects my consistent academic performance.

I actively participate in competitive programming and have achieved a 4-star rating on CodeChef, a Knight rank on LeetCode with 700+ problems solved, and I am just 15 points away from becoming a Specialist on CodeForces.

I was also part of the team that successfully qualified for the internal rounds of the Smart India Hackathon in both 2023 and 2024, where we worked on innovative solutions under tight deadlines.

I have crossed 1300 rating in chess.

Additionally, I completed my Advanced Application Engineering Internship at Accenture, where I gained hands-on experience in SIEM tools, IAM, PAM, and security monitoring.

11: What problems you faced working on a team project?

- **Core HTML, CSS, JS with Three.js to React with Three.js**
- **Manual Physics to Rapier library**
- **Optimizing the museum by diving into different sections**

I would like to share my experience from the Smart India Hackathon. One of the main challenges we faced was that one of our team members already had a small prototype ready for the Virtual Museum in HTML, CSS, and JavaScript, but it wasn't scalable enough for a full-fledged Smart India Hackathon project. After analyzing it, I proposed converting the project into a React.js component-based structure. Initially, the team was hesitant since it required extra effort and time, but I convinced them by explaining how React

would make the project more modular, maintainable, and future-ready. Eventually, everyone agreed, and this decision helped us a lot later.

The second challenge came when we started working with 3D objects using Three.js. At first, we were manually handling physics, collisions, and camera movements, which worked fine for a small prototype with a few objects. But as the number of objects increased, managing these became complex. After some research, I found a third-party physics library that integrates with Three.js and automatically handles collisions and gravity. Using it saved us a significant amount of time and improved project stability.

Since hackathons have a very short timeframe — around 24 to 48 hours — we needed everyone to be equally active. But some team members weren't contributing as much, which slowed us down. To tackle this, I stepped up, delegated tasks based on each member's strengths, and ensured we kept progressing as a team. In the end, these challenges taught me a lot about technical problem-solving, leadership, and teamwork under pressure.

12: How will you resolve the conflict with team member?

During the Smart India Hackathon, we faced a situation where one of my teammates had already built a small prototype for the Virtual Museum using HTML, CSS, and JavaScript. However, I felt that for a large-scale hackathon project, this approach would not be scalable or maintainable. Initially, there was some disagreement within the team about switching to React.js because it required extra effort and time.

Instead of forcing my opinion, I organized a short discussion where I explained the benefits of React, such as component reusability, better integration with Three.js, and easier future scalability. I also showed them examples of how using React with Three.js could simplify building 3D components. After reviewing the pros and cons together, the team agreed with my proposal, and it turned out to be a great decision — it helped us build a more efficient and maintainable project.

From this experience, I learned that the best way to resolve conflicts is through open communication, logical reasoning, and collaboration rather than confrontation. When everyone feels heard and decisions are based on facts, the team naturally aligns towards a common goal.

13: Is group project better than working alone?

I believe both working in a group and working alone have their own advantages, and the choice depends on the situation.

When working in a group, you get to collaborate, share ideas, and learn from others, which often leads to better solutions and improved teamwork skills. For example, during the Smart India Hackathon, working in a group helped us brainstorm effectively, distribute tasks, and qualify for the internal rounds in 2023 and 2024.

At the same time, working alone is equally important when tasks require deep focus, individual creativity, or strong ownership. I've experienced this while solving competitive programming problems and working on personal projects, where independent effort was crucial.

So, I would say I am comfortable and adaptable in both situations — I can contribute well in a team but also take full responsibility when working independently.

14: What excites you about Technology?

What excites me about technology is how fast it is evolving and how it has the power to solve real-life problems. I enjoy exploring new tools, frameworks, and emerging technologies because they give us opportunities to create smarter, more efficient solutions.

For example, while working on my projects and during the Smart India Hackathons, I got to use modern technologies like React, Three.js, and APIs to build solutions that could have a real impact. That hands-on experience made me realize how technology can transform ideas into reality.

I find it exciting that technology keeps challenging me to learn, improve, and innovate, and that's one of the reasons I'm so passionate about this field.

15: Accenture Internship experience and project details.

I did my internship at Accenture as an Advanced Application Engineering Intern. I was assigned the Security Information and Event Management (SIEM) domain, where I got exposure to various security concepts like Identity and Access Management (IAM), Privileged Access Management (PAM), and Security Operations Center (SOC) operations. I also worked with tools like Splunk for detecting malicious activities and CyberArk for managing privileged credentials.

However, since SIEM-related security projects usually require long-term assignments and aren't typically allocated to short-term interns, the team assigned me an additional development project to give me hands-on experience. This project involved building a full-stack application using React.js on the front end and Node.js for the backend. I worked on developing reusable components, creating REST APIs, and integrating them.

Overall, this internship was a great learning experience for me. I got exposure to security tools and processes while also strengthening my full-stack development skills. It also helped me improve my adaptability, problem-solving, and collaboration skills by working across two different domains.

PROJECT

Virtual Museum:

Techstack: ReactJs, Three.js, Node js, SQL, Rapier

Key Features:

Virtual Museum Exploration → Users can move inside the museum using physics-based controls (handled by Rapier), look around, and explore artifacts.

State-wise Culture & Heritage → We've integrated an interactive India map where clicking on a state shows its cultural history, monuments, and traditions.

Interactive Artifacts → By clicking on an artifact, users get:

- **A 3D model imported from Blender**
- **Video descriptions**
- **Links to Wikipedia pages for detailed information**

Knowledge Quiz → To make it more engaging, we've added a quiz section to test and enhance users' knowledge about Indian culture.

Marketplace for Handmade Items → Promotes Indian artisans by allowing users to explore and purchase handmade cultural products.

My Role:

I was responsible for placing and adjusting 3D objects inside the museum scene.

- **A teammate created Three.js objects using built-in geometries, and I worked on scaling, rotating, and positioning them correctly.**

I coordinated with another teammate to create and apply textures to make the objects visually appealing.

I also developed the marketplace module, where users can view and explore handmade products.

While I handled these parts, camera actions and physics were managed by another member, artifact data was prepared by one teammate, and login APIs were handled by another.

Why SQL: We used SQL in Virtual Museum because our data was highly relational — artifacts linked to states, users linked to products in marketplace, and so on. SQL gave us structured storage, joins, and strong consistency which suited the project.

Knowledge:

Camera:

1. **PerspectiveCamera → Human-eye view, realistic depth.**
2. **OrthographicCamera → Flat view, no perspective, good for maps/UI.**
3. **CubeCamera → Special, used for reflections and environment maps.**

Lights

1. **PointLight → Emits light in all directions from a single point (like a bulb).**
2. **DirectionalLight → Parallel rays, like sunlight.**
3. **SpotLight → Focused cone of light, like a torch or museum spotlight.**

Geometry:

1. **BoxGeometry → Cubes, walls, pedestals.**
2. **SphereGeometry → Globes, domes, balls.**
3. **PlaneGeometry → Floors, walls, paintings.**
4. **CylinderGeometry → Pillars, vases, columns.**
5. **TorusGeometry → Rings, circular designs.**

Sanrakshak:

Tech Stack: ReactJS, NodeJS, MongoDB, Google Maps API

Key Features:

Citizens get **real-time disaster alerts** and **safety instructions**.

Shelter management system where government/NGOs can list shelters (food, medicine, relief centers) with live updates.

Google Maps integration to show nearby shelters with **filter options** (food, medical, etc.).

Admin panel for authorities to post disaster details, shelters, and announcements.

User panel for citizens to view shelters, raise emergencies, and chat for help.

Knowledge base with safety documents and precaution guidelines for different disasters.

My Role:

Frontend Developer (Primary):

- **Designed and developed user-facing features and forms using ReactJS.**
- **Built intuitive UI for shelter listings, filters, and disaster details.**

Google Maps Integration:

- **Implemented shelter location markers and filter functionality.**

Backend Contributions:

- **Created APIs in Node.js for submitting and fetching disaster/shelter data.**
- **Worked with MongoDB for data storage.**

Collaborated flexibly across frontend and backend depending on project needs.

Why MongoDB: real-time reads/writes, semi-structured and unstructured data storage.

SQL VS MONGODB

1. Data Model

- **SQL (Relational Database, e.g., MySQL, PostgreSQL):**
  - **Stores data in tables (rows & columns).**
  - **Fixed schema (structure must be defined before inserting data).**
  - **Best for structured data with clear relationships.**
- **MongoDB (NoSQL, Document Database):**
  - **Stores data as documents (JSON-like format) inside collections.**

- Schema-less, flexible structure (different documents in same collection can have different fields).
- Best for semi-structured or unstructured data.

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2. Relationships

- SQL: Strong in handling complex relationships using JOINs.
- MongoDB: Relationships are handled by embedding (nested docs) or referencing, but JOIN-like queries are less efficient.

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3. Scalability

- SQL: Vertical scaling (upgrade single server). Horizontal scaling is harder.
- MongoDB: Built for horizontal scaling (sharding + replication), works well with large, distributed data.

4. Transactions

- SQL: Strong ACID compliance (perfect for banking, payments, inventory).
- MongoDB: Supports ACID transactions since v4.0, but not as optimized for multi-record transactions as SQL.

5. Query Language

- SQL: Uses SQL query language (SELECT, JOIN, WHERE, GROUP BY).
- MongoDB: Uses a JSON-based query syntax (find, aggregate).

✅ **Which is better?**

- Use SQL when:
  - Data is structured and relational (banking, ERP, inventory, museum system).
  - Transactions and consistency are critical.
- Use MongoDB when:
  - Data is semi-structured/dynamic (user profiles, IoT data, logs, disaster shelters).
  - Need fast development with flexible schema.
  - Scaling and high read/write performance are priorities.