

## Introduction + Basic HR Question:

### 1. Self-Introduction / Tell me about yourself:

- I'm Vedant Khapekar, currently in my final year of BE information technology at Trinity Academy of Engineering, Pune. I completed my previous studies in Nagpur, and relocated to Pune for higher studies.
- I got 7 sgpa in my last semester that is in the 6th semester. I have a strong interest in Data Science / AI.
- I have relevant skills like python and it's all the required libraries, SQL, Data visualization tools like PowerBi, and others. I'm currently focusing on improving my programming skills by practicing my data analytics and Machine learning concepts on and learning the fundamentals of deep learning.
- Also during my studies, I worked on several projects like Real State Application where I applied concepts of machine learning and data analytics.

### 2. Why are you interested in this position (Associate software developer) ? / Why should we hire you as an associate software engineer because, your resume is based on Machine Learning? / Why do you want to join Accenture?

- As a fresher, I want to begin my career by learning and growing in the IT industry. While I am interested in data science, I believe working in Accenture with ASE role will help me build a strong foundation in software development, coding, and problem-solving, which are essential skills in any tech role. It's a great opportunity to gain real-world experience and overtime I will try to connect this experience with the domain of data science, but right now, my focus is on starting my career with a learning experience, and I believe this role is a great place to do that.

### 3. What do you know about your company?

- Accenture is a big global company founded in 1989 that helps other businesses with new technologies, consulting, and improving their work. It works with many industries and focuses on innovation in areas like AI, Cloud, cyber security, etc.

### 4. What is your strength and weaknesses?

- My strengths are that I am patient while doing any task, a fast learner, and consistent in my work. These qualities help me stay focused and complete my tasks effectively. My weaknesses are that I sometimes find it hard to say no to extra work, which can make it difficult to manage my time, and I tend to be a perfectionist, which can slow me down. However, I'm working on improving these by setting boundaries for extra work and learning to balance perfection with efficiency.

### 5. How do you handle your team if you are a team leader?

- If I am a team leader, I will make sure everyone in the team understands their roles and tasks clearly. I will listen to their ideas and problems, help them when needed, and keep everyone motivated. I will make sure the team works together by solving

problems quickly and keeping communication open. My goal will be to support the team so we can finish our tasks on time and with good quality.

6. What will you do if one of your team member disagree with your team?

- If a team member disagrees, I will first listen to their point of view and understand their concerns. Then, I will explain the team's decision and why it was made. If needed, I will discuss with the team again to see if that team member ideas can be included or not. My focus will be to find a solution that works for everyone and beneficial for the project.

7. What will you do if one of your team member do not giving their best for the project, due to which project has to face issues?

- If a team member is not giving their best, I will first talk to them to understand their reason. They might be facing personal or any work-related issues. I will try to motivate and support them, offer help if needed. If the problem continues, I will divide the work among the rest of the team to make sure the project stays on track and will take action on them.

8. What you do if you have to produce high quality work in less time?

- If I need to produce high-quality work in less time, I will first prioritize the most important tasks. I'll focus on one task at a time to avoid mistakes and manage my time better. I'll also eliminate any distractions and ask for help if needed to ensure the work is done on time and to a high standard.

9. Where do you see yourself in next 5 years?

- In the next 5 years, I see myself learning more, improving my skills, and taking on more responsibilities. I want to become a Data Scientist Engineer, work on exciting real time projects, and grow into a role where I can lead a team and contribute to the company's success.

10. Why would we hire you?

- You should hire me because I am a fast learner, and I'm always eager to improve my skills. I am consistent in my work and also responsible towards my work, making sure they are completed on time. I believe these qualities will help me contribute positively to your team and the company.

11. Would you like to work overtime or odd hours?

- I understand that putting extra effort impacts the company's development, so I'm happy. If it means I'm contributing to the company, I'll be glad to contribute.

12. How do you handle stress, pressure, and anxiety ?

- When I feel stressed or under pressure, I try to stay calm and break down the tasks into smaller steps to make them more manageable. I prioritize most important tasks

first and keep a positive attitude. If needed, I ask for help or guidance to make sure I'm on the right track. This helps me stay focused and manage my work better.

13. Explain the difference between group and team.

- A group is just a collection of people who work together but may not have a common goal. They may work independently on their tasks. A team, on the other hand, is a group of people working together towards a common goal, supporting each other and sharing responsibilities.

14. How do you deal with feedback and criticism?

- I take feedback and criticism as a way to improve myself. I listen carefully to understand what I can do better and try to learn from it. Instead of taking it personally, I focus on using it to grow and improve my skills. I believe feedback is important for learning and becoming better at what I do.

15. Can you describe your time management skills?

- I manage my time by planning my tasks and prioritizing what's most important. I like to complete my tasks one by one and set deadlines for each. This helps me to complete work on time and focus on one task at a time to do my best work.

16. What motivates you?

- I am motivated by learning new things and solving problems. When I see the results of my hard work, like completing a project successfully or making a positive impact. I also enjoy working with a team and achieving goals together, which keeps me motivated.

17. Would you lie for the company?

- It depends on the situation if my lie creates a positive impact on the company and it was useful for many people, then I will lie.

18. Describe yourself in one word.

- If I had to describe myself in one word, I would say 'dedicated' because I always put my best effort into everything I do and stay focused on completing my tasks responsibly.

19. What is the success for you?

- For me, success means setting a goal and working hard to achieve it.

20. Can you discuss a project you have worked on and how you would implement it on an industry level?

- I worked on a Real Estate Application project that has three key modules: an analytics module, a price predictor module, and a recommender system. The analytics module provides insights into property trends, the price predictor uses machine learning to estimate property prices, and the recommender system suggests properties based on user preferences like location and price.

- To implement this on an industry level, I would focus on scaling the project by using a larger dataset gathered from multiple sources like property listing websites like I used 99acres.com for this project. Additionally, cloud platforms like AWS or Azure can be used to handle large-scale data and ensure the application is well maintained.

21. How do you manage conflicting ideas in a group project?

- When there are conflicting ideas in a group project, I first listen to everyone's opinions carefully to understand their points on project. Then, I try to find common solution that combines the best parts of their idea. I will discuss with the group to decide what's best for the project. And then I will move forward with the project.

22. What are the latest trending technologies? / Can you talk about your knowledge of current industry trends?

- **Artificial Intelligence (AI) and Machine Learning (ML):** These are used for automating tasks, making predictions, and improving decision-making.
- **Cloud Computing:** It allows storing and accessing data and applications over the internet, like AWS, Azure, and Google Cloud.
- **Blockchain:** A secure way to store and share data, mostly used in cryptocurrencies and secure transactions.
- **Internet of Things (IoT):** Daily devices connected to the internet, like smart homes and wearable gadgets.

23. Rate programming languages that you are familiar with.

- Python: I would give it the highest rating because I am very comfortable with it and have used it in many projects, especially in machine learning, data analysis, and in basic web development.
- C++: Then C++ because, C++ is the first language I learned and it helped me understand programming concepts like loops, functions, data types, etc.
- Java: I would rate it lower because and I am not very familiar with it, but I know the basics and am willing to learn more if required.

24. Can you tell me about your internship experience?

- I haven't had the opportunity to do an internship yet, but I'm actively trying to secure one.

25. What are your thoughts on ChatGPT?

- I think ChatGPT is a very helpful tool for daily tasks. It can save time by quickly providing information, helping with ideas, and solving problems. It's great for learning new things, and even for coding or debugging. But I also believe self-knowledge is very important because we can't rely on tools for everything. Tools like ChatGPT can guide us, but we should also focus on improving our own understanding and skills.

26. What are the major businesses of Accenture?

- **Strategy and Consulting:** Means helping companies to plan and improve their business goals .
- **Technology:** This is focused on building and implementing advanced technologies for businesses like AI, Blockchain, Cloud, etc.
- **Operations:** It includes handling tasks like finance, customer service, and supply chain management.
- **Interactions:** Means they focus on enhancing the customer experience by providing services like marketing, branding, designing the applications, etc.

27. Can you share an instance when you received negative feedback and how you dealt with it?

- Once, I received negative feedback when I was rejected from my college programming club because my programming and communication skills weren't strong enough at the time. From that time, I decided to work on these areas. I practiced programming and took online courses to improve my skills. I also working on improving my communication by giving presentation and mock interviews. As a result, I'm now a technical member of the programming club. And I'm still working on improving my communication\_skills.

28. Are you a team player?

- Yes, I am a team player. I like **working with others to achieve goals**. I **listen to everyone's ideas**, I **take help as well as help them** when needed. I believe that working together is the best way to achieve our goal.

29. Are you ready to relocate?

- Yes, I am open to relocating if the job requires it. I'm flexible and ready to move to a location where I can contribute to the team also because I like to explore the new locations.

30. How can you contribute to Accenture's continuous quest for excellence?

- I can contribute to Accenture's quest for excellence by working hard, learning and solving problems efficiently. I will focus on delivering quality work, improving my skills, and working well with the team to help achieve the company's goals.

31. Would you be willing to work over and above your fixed work hours?

- Yes, I am willing to work beyond my fixed hours if the work requires it. I understand that sometimes work might need extra effort, and I am committed to doing what it takes to ensure the task is done on time.

32. How do you explain technical information to non-technical stakeholders?

- When explaining technical information to non-technical stakeholders, I use simple words and avoid technical terms. I focus on how the technology or solution can help solve a problem. I can also use some related examples to make it easier to understand.

33. What is your short term goal?

- My short-term goal is to get a job where I can gain industry-level experience and improve my knowledge and skills. I want to apply what I've learned so far, learn new things on the job, and grow professionally.

34. What is your long term goal? / What is your career objective ?

- My long-term goal / career objective is to use my knowledge and skills in Artificial Intelligence (AI) to work on projects that solve real-world problems. I want to contribute to developing AI solutions that can help in business, or technology. I see myself growing as an AI expert, and work on projects that can make a positive impact.

35. Can you provide a brief overview of your background?

- So, I am from Nagpur and I moved to Pune for my education. I completed my 12th from Prerna Junior College, Nagpur, with an 89% score. Currently, I am in my final year of BE pursuing Information Technology at Trinity Academy of Engineering, Pune, and I secured a 7 SGPA in my last semester. I have developed skills in AI, Machine Learning, and Data Analytics through my studies and personal projects like Real Estate Application, Disease classification and medicine recommendation system, Multipage Paris Olympic dashboard using PowerBI, etc. and I am eager to apply these skills in a professional career.

36. Explain how you handle deadlines and problem-solving at work? / How do you handle tight deadlines and high pressure situations?

- To handle deadlines, I plan my tasks early and break them into smaller steps. I focus on the most important ones first and make sure to track the timeline of the project. If there's a problem, try to find a solution, and ask for help if needed to fix it quickly and meet the deadline.

37. What are your hobbies?

- My hobbies include playing sports, especially cricket, as it helps me stay calm even if I'm having a work pressure, and also enjoy traveling to new places for trekking, as I like to explore the new locations.

38. Do you have any questions for me?

- Thank you for giving me this opportunity. After my overall performance till now, can you give me the suggestion on what should I improve.
- As if I'm selected for ASE role, can you help me with how can I get in to AI or ML domain in the company ?

39. Explain Your all projects. / Tell us about the projects you have worked on.

i. Real Estate Application:

- This project is an advanced end-to-end real estate application that helps users make better decisions when buying or renting properties. It includes analytics, price prediction, and property recommendations, all built using machine learning, web scraping, and a user-friendly web interface with Streamlit. Analytics Module provides detailed insights about real estate trends. Users can view data like average prices, property trends in specific sectors, and area-wise property analysis. Next is Price Prediction Module, which predicts property prices using a Random Forest regression model which gave me the accuracy of 0.90. Inputs required: Location, size, number of bedrooms, etc. Recommendation Module recommends similar properties using content-based filtering. Suggestions are based on factors like price, location advantages, etc. Data is scraped from 99acres.com using BeautifulSoup then Cleaned the data, Handled outliers, filled in missing data, and Selected the most important features for training the models. This project helped me to gain experience in an end to end project life cycle of machine learning projects.

ii. Disease Classification and Medical Recommendation System:

- This project is a machine-learning-based application designed to predict diseases based on symptoms provided by the user. It also offers personalized medical, diet, and workout recommendations. The system combines data analysis, machine learning, and a user-friendly web interface. Its Key features include: Disease Prediction Uses a Support Vector Machine (SVM) algorithm to classify diseases based on symptoms entered by the user which given the accuracy of 96%. Secondly, Medical Recommendations After predicting the disease, the system provides specific medical advice, such as suggested medications, Diet and Workout Plans. Its UI is Built using Flask, that allows users to Input their symptoms, View the predicted disease and its details.

iii. Current Project: AI Based Lane Priority and Signal Optimization System (Final Year Project):

40. What techniques did you use in your projects? / What technologies did you use in your project?

- In my projects, I have used various techniques depending on the specific problem I wanted to solve.
- Machine Learning Algorithms: For prediction tasks like real estate price prediction, I used Random Forest Regression, which works well for numerical data and gives accurate results. For disease classification, I used Support Vector Machine (SVM), which is excellent for categorizing data into multiple classes.
- Data Preprocessing: I cleaned the data by removing duplicates, I handled missing values using techniques like filling them with specific values, I worked on outliers, For selecting important features, I used feature engineering techniques.
- Web Scraping: I collected real estate data using BeautifulSoup, a tool that helps extract information from websites like 99acres.com.
- Recommendation Systems: I implemented a content-based filtering technique to recommend properties or related items based on user preferences like location, price, etc.
- Data Visualization: I used tools like Matplotlib, Seaborn, and Plotly to create charts, graphs, and dashboards for better understanding and presentation of data.
- Web Application Development: For user interaction, I developed web-based interfaces using Streamlit (for real estate) and Flask (for the medical recommendation system).
- Model Deployment: I deployed the model using AWS Sagemaker to make it accessible online.

41. What is your least favorite subject and how did you overcome it?

- My least favorite subject was Chemistry because I found its equations and formulas hard to understand, and I wasn't very interested in it. To overcome this, I focused on understanding the basics, practiced regularly, used videos and diagrams for better clarity, and asked my teachers and friends for help. This improved my understanding and taught me how to tackle challenges in subjects I don't enjoy.

42. What was your favorite subject?

- My favorite subject is Machine Learning because I enjoy learning about how we automate things that can make predictions, classify data, and even recommend things. It's fascinating to see how concepts like regression, classification, and recommendation systems can be applied to create useful applications. This is the another reason why I choose the AI domain.

43. How did you handle any challenges faced while working on projects? / Can you describe the challenges you encountered during your project?

- Scraping the Data: Challenge: Some websites blocked scraping or had dynamic content. I used libraries like BeautifulSoup to scrape the meaningful or required data and handled dynamic pages using tools like Selenium.
- Cleaning the Data: The data had missing values, duplicates, and outliers. Solution: I handled missing values using techniques like filling them with averages or removing



irrelevant rows. I used visualizations to detect and remove outliers and ensured the data was clean for better results.

- **Selecting the Right Model:** Choosing the best algorithm for accurate predictions. I tested multiple models like Random Forest, SVM, and others, compared their performance, and selected the one that gave the best accuracy for the task.
- **Selecting Useful Features:** Some features didn't add value and affected the model's accuracy. I used feature selection techniques to identify the most important features. For example, I checked correlations and used domain knowledge to include only meaningful inputs.
- **Improving Model Accuracy:** Initial accuracy was not satisfactory. I tried techniques like hyperparameter tuning, added more data for training, and improved feature engineering to boost accuracy.

44. Can you discuss any extra activities you have participated in?

- **Playing Cricket for the College Team:** I was part of my college cricket team.
- **Taking Part in Hackathons**
- **Coordinator in College Events:** As a coordinator in college events, I was responsible for managing teams, organizing activities.