

01) Good Morning, thank you for giving me this opportunity to introduce myself. And I come from a background that combines strong analytical thinking with a deep curiosity for patterns hidden in data. I hold a Bachelor of Computer Applications in computer science, where I built a solid foundation in mathematics, statistics, and programming—the three pillars of data science. During my academic journey I developed an interest in exploring how data can be used to derive insights and guide meaningful decisions. This curiosity eventually evolved into a passion for data science.

My technical toolkit includes Python, SQL, R, and libraries such as Pandas, NumPy, Sci and Matplotlib. I'm comfortable performing data cleaning, exploratory data analysis using both classical machine learning algorithms and basic deep learning architectures. I also have hands-on experience with data visualization.

tools like Power BI and Tableau, which I use to communicate insights clearly to both technical and non-technical audiences. I'm also fluent in software development and machine learning.

Beyond work and academics, I'm continuously learning. I enjoy exploring new advancements in AI-like Generative AI, Natural Language Processing, and Large Language Models.

In summary, I'd describe myself as a curious, analytical, and self-driven data professional who loves turning raw data into meaningful insights. My goal as a data scientist is to contribute to projects where data can make a measurable difference - whether it's optimizing business processes, improving customer experience, or driving innovation. Whether I can continue learning and contribute to impactful data-driven solutions.

Q2) Why did you choose a career in Data Analytics or Data Science?

Ans: My decision to pursue a career in data science stems from a deep fascination with the idea that data, when analyzed intelligently, can reveal hidden patterns, drive innovation, and solve real world problems. From the beginning of my academic journey, I was always drawn to numbers, logic, and problem-solving. Over time, I realized that the world is generating massive amounts of data every second from social media interactions to healthcare records and business transactions - and that data science offers the tools and techniques to transform this raw information into valuable insights.

What excites me most about data science is its interdisciplinary nature. It blends mathematics, statistics, programming, and domain knowledge - skills that align perfectly with my strengths.

and interests. During my studies and projects, I enjoyed the process of collecting messy data, cleaning and preparing it, and then using statistical models or machine learning algorithms to extract meaningful insights. It feels rewarding to uncover relationships that aren't immediately obvious and then translate those discoveries into actionable decisions that can benefit people or organizations.

In conclusion, I chose data science because it perfectly fits my curiosity for patterns, my love for learning, and my desire to make a tangible difference through technology. It's a career that challenges me intellectually, satisfies my analytical mindset, and allows me to contribute to building a smarter, data-driven world.

Q3) What do you know about our company, and why do you want to work here?

Tata Consultancy Services, or TCS, is one of the most respected and globally recognized IT and consulting organizations. Founded in 1968, TCS is a part of the prestigious Tata Group, which is known for its values, ethical business practices, and contributions to India's industrial growth. Over the years, TCS has evolved from a traditional IT services provider to a global leader in digital transformation, cloud computing, data analytics, and artificial intelligence. What impresses me most about TCS is its commitment to innovation, customer-centric approach, and emphasis on continuous learning qualities that align closely with my own professional values and aspirations as a data scientist.

I've learned that TCS operates in over 45 countries and serves clients across

industries like banking, retail, health care, telecommunications, and manufacturing. The company's vision of "Building on Belief" truly resonates with me because it reflects a forward-thinking mindset believing in the power of technology, people, and data to drive positive progress. I also admire how TCS has consistently been recognized among the top IT employers globally for its inclusive culture, focus on employee development, and sustainable business practices.

In conclusion, I want to work at TCS because it perfectly combines innovation, learning, and values - three elements that define my vision for my career. I see TCS as the ideal platform to apply my data science skills to real-world problems, contribute to cutting-edge projects, and grow under the guidance of industry experts.

Q4) Describe a time when you faced a challenge in a project and how you handled it?

One of the most challenging yet rewarding experiences I've had during my full stack web development journey was while working on an online food ordering system project. This project tested me not only my technical skills but the team work and problem solving and adaptability.

The our project we are using the three main skills or tools that is the React JS for the frontend development MySQL Workbench for the database to store the all data related to the projects. And the Node JS or Express JS as used for the backend development and also we used postman application for the testing the API's. In the project we faced that user can order the food and it will show to the hotels and that will accept the order.

and it will show added/confirmed or deleted or pending to the users and the next user login into the another account the cart is remaining same as previous user it can we faced the challenge and we got the solutions that is we created project in the local device so it will show previous cart to the new user.

### Solution

In the project we find the solutions that is the one user entered into site they add food into the cart and they purchase the food that will confirmed but they can't purchase the food they can delete the added food into the cart that will help to the other users so we discuss with the team we decided to please remove the food from cart pop up message will shown in the user dashboard.

Q5) How do you handle tight deadlines or pressure at work?

Handling tight deadlines and pressure is something every data professional experiences, especially in a field like data science, where projects often involve complex datasets, multiple dependencies, and evolving client requirements. Personally, I see pressure not as a threat but as an opportunity to test my efficiency, adaptability, and problem-solving skills. Over time, I've developed a structured approach to managing stressful situations - a balance of planning, prioritization, communication, and focus on results - which helps me stay composed and deliver high-quality outcomes even under time constraints.

Another crucial factor is effective prioritization. I identify which tasks will have the highest impact on achieving the project's main goal and

Focus on those first. For instance, if I know that data preprocessing is a bottleneck, I spend extra time getting that right before moving to complex modeling. I also rely on tools like JIRA or Trello for task tracking and time management, which keep me organized and transparent with my team.

Q6) How do you explain complex data insights to non-technical people?

One of the most important skills for a data scientist is the ability to communicate complex data insights to non-technical stakeholders in a way that is simple, engaging and actionable. No matter how advanced a model or analysis is, it only becomes valuable when decision-makers can understand and use its insights effectively. Over time, I've learned that successful data communication requires not just technical ac-

- accuracy but also empathy, storytelling, and visualization.

Another effective strategy I use is interactive dashboards and reports. Rather than giving stakeholders static spreadsheets, I provide dynamic visualizations where they can filter, explore, and interact with the data. This not only enhances understanding but also builds engagement and trust in the analysis.

Q7) Described a situation where your analysis or recommendation made a positive impact &

One of the most meaningful experiences I've had as a data scientist was during a retail sales optimization project. The goal was to help a mid-sized retail client identify the key factors driving their declining monthly sales and recommend actionable strategies to increase revenue. This project became a turning point

for me because my analysis directly influenced several business decisions that utility improved sales performance and customer retention.

This project taught me the true power of data science that the value of an analysis lies not just in accuracy of algorithms, but in how effectively it drives business decisions.

It also strengthened my ability to translate technical results into business language, collaborate with theough visualization and storytelling.

Q8) How do you handle feedback or criticism?

I believe that feedback and constructive criticism are essential for growth, both personally and professionally. As a data scientist, I work in a field that requires constant learning, experimentation, and collaboration. Not every model will perform

perfectly, and not every analysis will align with integral part of improving performance and delivering value. Over time, I've learned to view feedback not as a judgment but as an opportunity to enhance my skills, refine my thinking, and deliver better results.

Finally, I remind myself that even critical feedback is a sign of trust. It means someone values my growth and wants to help me get better. Instead of seeing criticism as negative, I see it as a mirror that reflects areas I may not see myself.

09) What are your short-term and long term career goals?

When it comes to my career goals, I like to view them as a journey of continuous learning, contribution, and leadership. Data science is an ever-evolving field that combines technology

mathematics, and business insight and to succeed in it, one must balance both technical mastery and strategic vision. So, I have structured my goals into two phases: short-term goals (next 2-3 years) and long-term goals (next 5-10 years).

- Short-term goals (next 2-3 years): In the immediate term, my goal is to build a strong foundation as a data scientist by gaining hands-on experience with real-world projects that involve data analysis, predictive modeling, and AI-driven decision-making. I aim to deepen my expertise in key tools and technologies such as Python, SQL, Power BI and cloud platforms like AWS or Azure.
- Long-term goals (next 5-10 years): In the long run, my goal is to evolve into a senior data science professional or AI strategist, leading teams and driving large-scale data

initiatives that make a measurable business impact. I envision myself managing complex projects that involve advanced machine learning, natural language processing (NLP), or deep learning models that support automation, decision-making, and customer experience enhancement.

10) What motivates you to do your best work?

What truly motivates me to do my best work is the opportunity to solve meaningful problems, create measurable impact, and continuously learn.

As a data scientist, every dataset tells a story, and every model is an opportunity to turn complexity into clarity. The thrill of discovering patterns, uncovering insights, and transforming them into actionable strategies is what drives me each day.

I'm also highly motivated by colla

- boration and shared success. Data Science is rarely a solo endeavor; it involves working with cross-functional teams, domain experts, and business stakeholders. I enjoy the process of translating analytical insights into strategies that others can understand and act upon.

In essence, my motivation stems from a combination of purpose, progress, and problem-solving. I'm driven by the challenge of turning raw data into meaningful intelligence, by the joy of learning something new every day, and by the satisfaction of seeing my work make a positive impact.