Karna Charan Sai Reddy
Charansaireddy82475@gmail.com

INTERVIEW QUESTIONS

1. What is the importance of data visualization?

Data visualization helps simplify complex data and reveal hidden trends, patterns, and outliers. It turns raw data into clear, visual insights, enabling faster and more informed decision-making. It's especially useful for non-technical stakeholders.

---

2. When do you use a pie chart vs a bar chart?

- **Pie chart**: When you want to show **part-to-whole relationships** for a small number of categories (e.g., 3–5 segments).

- **Bar chart**: When you need to compare **quantitative values** across categories, especially when you have more items or need precise comparisons.

---

3. How do you make visualizations more engaging?

- Use the **right chart type** for the data

- Apply **color thoughtfully** (highlight key areas)

- Add **labels and tooltips** for clarity

- Provide **contextual titles and subtitles**

- Use **interactive filters** or highlights when possible

- Keep the design **clean and not overwhelming**

---

4. What is data storytelling?

Data storytelling is the process of combining **data, visuals, and narrative** to explain insights clearly and persuasively. It's not just about showing data — it's

Karna Charan Sai Reddy
Charansaireddy82475@gmail.com

about making it meaningful to the audience by telling **what's happening and why it matters**.

---

5. How do you avoid misleading visualizations?

- Start charts at zero (especially bar charts)

- Avoid manipulating axis scales

- Use proportional sizes (especially in pie/donut charts)

- Label accurately

- Avoid using **too many colors** or 3D effects

- Always show **data sources** and context

---

6. What are best practices in dashboard design?

- Keep layout clean and **grid-aligned**

- Place the most important charts **at the top**

- Use **consistent colors** and formats

- Add **clear titles and labels**

- Use **tooltips** and **filters** if interactivity is needed

- Avoid clutter — **only show what's necessary**

---

7. What tools have you used for visualization?

- **Tableau Public** – for building dashboards and visual storytelling (used in my internship project)

- **MS Excel** – for quick charts and data summaries

- (Optional: You can add Power BI or Google Data Studio if you've explored them)