

Hi! I'm so glad to hear you're inspired by my 90-day challenge—it's a rewarding journey! Since you're just starting out in B.Tech CSE and interested in data analysis, here's how you can get started:

1. Build a Strong Foundation in Python

Python is essential for data analysis. Start with the basics—variables, loops, and functions. Websites like **HackerRank**, **LeetCode**, and **Codecademy** offer great beginner-friendly exercises. Once you're comfortable, learn libraries like **Pandas**, **NumPy**, and **Matplotlib** for data manipulation and visualization.

2. Master Excel

Excel is a powerful tool in data analysis. Start with basics like **formulas** and progress to more advanced topics like **VLOOKUP**, **pivot tables**, and **data validation**. These skills will give you a solid foundation for handling data.

3. Learn SQL for Data Management

SQL is crucial for interacting with databases. Platforms like **HackerRank** offer beginner-to-advanced SQL exercises. Focus on understanding how to retrieve and manipulate data.

4. Get Started with Power BI and Tableau

Both **Power BI** and **Tableau** are essential for data visualization and dashboard creation. Start by exploring their interfaces and learning how to build visualizations like charts, graphs, and interactive dashboards. YouTube tutorials and official documentation are great places to start.

5. Start with Projects

Work on small data analysis projects using public datasets from **Kaggle**. Experiment with data visualization using **Power BI** and **Tableau** while using **Jupyter Notebook** for coding and documenting.

6. Utilize Learning Platforms

- **FreeCodeCamp** has a solid introduction to Python and SQL.
- **Coursera** offers free courses on **Data Science** by universities like Stanford.
- For **Power BI** and **Tableau**, you can check out the official Microsoft and Tableau tutorials.