# **Deliverable 3: Study plan to crack interviews by enhancing tech skills.**

### **1. Self-Assessment:**

* **Identify Key Skills:** Focus on skills required in data analytics roles, such as data cleaning, data visualization, statistical analysis, SQL, Python, and proficiency with tools like Excel, Tableau, Power BI.
* **Evaluate Proficiency:** Assess my current skills in these areas, marking where I need improvement. I am intermediate in Excel but a beginner in Tableau and Power BI.

### **2. Set Clear Goals:**

* **Specific Goals:** Define goals like mastering data visualization, becoming proficient in SQL for querying databases..
* **Prioritize:** Based on job descriptions in data analytics, focus on skills that are frequently required, such as SQL and data visualization tools. For example, SQL might be a top priority, followed by mastering Python libraries like Pandas, NUMPy and Matplotlib.

### **3. Research Resources:**

* **Explore Platforms:** Looking at courses platforms like Coursera, Udemy, or LinkedIn Learning specifically geared toward data analytics.
* **Recommended Resources:** YouTube channels for data science and documents related to the tool can also be beneficial.

### **4. Create a Study Plan:**

* **Break Down Tasks:**I am learning SQL, starting by mastering basic commands (SELECT, JOIN) before advancing to more complex queries and subqueries. Also POWER BI and Tableau to make more interactive data visualization.
* **Time Allocation:** Devote 1-2 hours per day to a specific skill. For example, allocate the second week to data visualization using Tableau, followed by a week on SQL.
* **Set Deadlines:** For each skill, set clear deadlines. For instance, aim to complete an SQL course within 2 weeks and a Tableau visualization project by the end of the following week.

### **5. Utilize a Variety of Learning Methods:**

* **Theory and Application:** For data analytics, it’s crucial to apply theoretical knowledge. After learning a statistical concept, apply it by analyzing real datasets.
* **Hands-on Projects:** Use platforms like Kaggle to work on real-world datasets, performing exploratory data analysis (EDA), cleaning data, and visualizing my results.

### **6. Stay Organized:**

* **Tracking Progress:** Maintain a record of datasets I’ve worked on, techniques I’ve used, and results I've achieved.
* **Organize Resources:** Create a collection of useful SQL queries, Python scripts, and visualization tips for easy reference.

### **7. Practice Regularly:**

* **Regular Practice:** Work with datasets daily or weekly to develop my skills. Use Kaggle to keep practicing.
* **Portfolio Projects:** Build a portfolio of data projects. For example, analyze a public dataset on Kaggle, create visualizations using Tableau, and write up my analysis for future job applications.

### **8. Seek Feedback and Support:**

* **Join Data Communities:** Engage with communities like Linkedin.
* **Mentorship:** Seek feedback from data analysts or mentors in the field. They can review my code or suggest areas for improvement in my analysis.

### **9. Review and Adjust:**

* **Track Your Growth:** Every few weeks, review my progress. I check my progress in each section and figure out which I have to practice more.
* **Set New Goals:** When I improve, practice more complex tasks using advanced Tableau features.

### **10. Stay Motivated:**

* **Celebrate Milestones:** when I finish a challenging task, like completing an analysis project, I will be very Happy.