📊 3-Month Data Analyst Roadmap (Beginner to Job-Ready)

🔹 Month 1 — Excel + Data Foundations

Focus: Understand data before tools.

✅ Excel (Core Skill)

Learn:
• Advanced formulas (IF, XLOOKUP, INDEX-MATCH)
• Logical functions
• Data cleaning (TRIM, TEXT functions)
• Sorting, Filtering
• Pivot Tables
• Basic dashboards

Build:
👉 1 Sales Analysis Dashboard
👉 1 KPI Summary Sheet

🎯 Goal: Be able to clean and analyze raw datasets confidently.

🔹 Month 2 — SQL (Data Extraction Skill)

Focus: Working with databases.

✅ SQL

Learn:
• SELECT, WHERE
• GROUP BY
• Aggregations (SUM, COUNT, AVG)
• JOINS (INNER, LEFT, RIGHT)
• Subqueries (basic)

Practice:
• Solve 40–50 SQL problems
• Use platforms like LeetCode / HackerRank
• Work with real datasets

Build:
👉 1 SQL case study (analyze customer or sales data)

🎯 Goal: Extract insights from structured databases.

🔷 Month 3 — BI Tool (Visualization + Storytelling)

Choose ONE:
👉 Power BI
OR
👉 Tableau

Focus:
• Data modeling basics
• Creating relationships
• Building dashboards
• KPI visualization
• Storytelling with data
• DAX basics (if Power BI)

Build:
👉 2 interactive dashboards
👉 Publish them (LinkedIn / portfolio)

🎯 Goal: Turn analysis into business insights.

🔥 Bonus — Python (Optional but Powerful)

After Month 3 basics are strong:

Learn:
• Pandas (data cleaning & analysis)
• Matplotlib / Seaborn (visualization)
• Reading CSV / Excel files

Use Python for:
• Automation
• Large datasets
• Advanced analysis

⚠ Important:
Python is a bonus — not a starting point for freshers.

At the End of 3 Months You Should Have:

✔ 2 Excel projects
✔ 1 SQL case study
✔ 2 BI dashboards
✔ Clean portfolio
✔ Confidence to apply for entry-level roles

🎯 Simple Philosophy

Don’t learn everything.
Master the basics.
Build projects.
Show proof.