

3-MONTH DATA SCIENCE PLACEMENT ROADMAP

Designed for 9 AM - 4 PM Busy Students

SYNTAX ERROR Voice:

> *"Dont just learn... train like youre interviewing tomorrow!"*

Daily Schedule (Mon - Fri)

1. 5:00 PM 6:30 PM: DSA Practice Focus on Arrays, Strings, HashMaps, DP (for interviews)
2. 7:00 PM 8:30 PM: Data Science Practice Python NumPy Pandas Matplotlib/Seaborn
3. 8:30 PM 9:00 PM: Revision / Notes / Debugging Key concepts, errors, or watch tutorials
4. 9:00 PM 10:00 PM (Optional): Mini Projects / Resume Building / Kaggle Practice

Weekend Schedule (Sat & Sun)

1. 10:00 AM 1:00 PM: Solve medium/hard Leetcode problems + Revisit tricky DS concepts
2. 2:00 PM 4:00 PM: Capstone Project Work (ML model, dashboard, deployment)
3. 5:00 PM 7:00 PM: Mock Interviews / Resume Polish / LinkedIn Update
4. 8:00 PM 9:00 PM: Plan next week + Watch a podcast (Ken Jee, Krish Naik, etc.)

Month 1 Fundamentals + Python

Topics:

Python for Data Science

NumPy, Pandas, Matplotlib, Seaborn

Statistics Basics: Mean, Median, Variance, Std Dev

DSA: Arrays, Strings, HashMap, Stack, Queue

Project:

Data Cleaning & EDA Project (e.g. Titanic dataset)

Build your resume from scratch

Month 2 Core Machine Learning

Topics:

Scikit-learn (Regression, Classification)

Feature Engineering & Data Preprocessing

Model Evaluation Metrics (Confusion Matrix, AUC, F1)

DSA: Sliding Window, Recursion, Linked List, Trees

Project:

ML Project (e.g. House Price Prediction / Loan Default Prediction)

GitHub + Project Documentation

Month 3 Advanced Prep & Deployment

Topics:

Unsupervised Learning (KMeans, PCA)

Deep Learning Intro (Neural Networks, TensorFlow basics)

Deployment (Streamlit / Flask + Vercel/Render)

System Design for DS (basic level)

DSA: DP, Graphs, Company-specific problems

Project:

Final Capstone Project (with end-to-end pipeline + Streamlit UI)

Resume Polish + LinkedIn Polish + Mock Interviews

Tools & Platforms

Python, Jupyter Notebook, GitHub

Scikit-learn, Pandas, Matplotlib, Seaborn

Streamlit / Flask

Kaggle, HackerRank, Leetcode

LinkedIn, Resume.io, VS Code

Final Words from SYNTAX ERROR

> *"Data Science = Skill + Projects + Storytelling. Build daily. Explain smartly. Deploy publicly."*