21-Day Data Science Roadmap (ASAP Version)

Overview: 21-Day Data Science Bootcamp

This crash roadmap is designed to help you become job-ready in just 3 weeks. It mixes top content from Krish Naik, Codebasics, Alex the Analyst, and freeCodeCamp. Ideal for someone who wants fast, practical exposure to data science skills.

Week 1: Core Foundations

WEEK 1: Core Foundations (Python + Pandas + EDA)

Day 1: Python Basics + Jupyter Setup
- Codebasics Python (Videos 1-5)

Day 2: Loops, Functions, Data Structures
- Continue Codebasics Python

Day 3: NumPy + Pandas Deep Dive
- Krish Naik Pandas/Numpy Playlist

Day 4: Exploratory Data Analysis (EDA)
- Codebasics EDA Project (IPL Dataset)

Day 5: Data Cleaning & Visualization
- freeCodeCamp Data Analysis (First 3 hours)

Day 6: Mini Project (COVID/IPL/Sales Dataset)
- Based on previous tutorials

Day 7: Revision + GitHub Portfolio Upload

Week 2: Machine Learning + SQL

WEEK 2: Machine Learning + SQL (Job Focus)

Day 8: ML Intro + Linear Regression
- Krish Naik ML Playlist

Day 9: Logistic Regression + Metrics
- Continue Krish Naik

Day 10: Decision Trees + Random Forest
- Continue Krish Naik

Day 11: ML Project: Titanic / Loan / HR Analytics
- Codebasics ML Project

Day 12: SQL Basics + Joins

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- Alex the Analyst SQL Playlist

Day 13: SQL Mini Project + Practice
- HackerRank / Custom Dataset

Day 14: GitHub Upload + Resume Update

Week 3: Deployment + Projects + Interviews

WEEK 3: Deployment + Tools + Portfolio

Day 15: Model Deployment with Streamlit
- Krish Naik or Codebasics Streamlit Video

Day 16: Project Deployment
- Heroku / Streamlit Share

Day 17: Power BI or Tableau Basics
- Codebasics Power BI

Day 18: Dashboard Project (on previous dataset)

Day 19: Resume, GitHub, LinkedIn Polish

Day 20: Mock Interview Prep (ML + SQL)
- Ken Jee Interview Guide + Practice

Day 21: Final Revision + Portfolio Review

Final Deliverables

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- 2 ML Projects
- 1 Visualization Project (Power BI/Tableau)
- 1 SQL Project
- Resume + GitHub + LinkedIn Updated
- Ready to apply for entry-level Data Science roles