

AI_ML_Chatbot_Full_Roadmap_by_Rafay

Yeh roadmap specially banaya gaya hai students ke liye jo AI aur Machine Learning ke zariye freelancing aur real-world projects tak pohchna chahte hain. Step-by-step structure me Python basics se lekar chatbot aur ML integration tak sab kuch cover hoga. ■

■■ Phase 1: Python Foundations (5–7 Days)

Topics: print(), input(), variables, data types, conditions, loops, functions, lists, tuples, dictionaries.

■ Mini Projects: Calculator, Grocery List Program

Example Code:

```
print("Hello World!") name = input("Enter your name: ") print("Welcome", name)
```

■ Motivation: Coding ka maza tab aata hai jab tu apna pehla program successfully run karta hai!

■ Phase 2: Chatbot Logic Building (3–4 Days)

Topics: String handling, if-else logic, loops in conversation.

■ Mini Project: Rafay Assistant v1 — simple text-based chatbot.

■ Phase 3: Machine Learning Core (7–10 Days)

Topics: Numpy, Pandas, Matplotlib, Linear Regression (Predict student marks).

■ Mini Project: Student Marks Predictor.

■ Phase 4: Chatbot + ML Integration (5–7 Days)

Goal: Combine chatbot logic with ML model to make a learning assistant.

■ Mini Project: AI_ML_Chatbot (intelligent Q&A; bot).

■ Phase 5: GitHub + Freelancing Setup (2–3 Days)

Topics: Repo organization, profile setup, Fiverr/Upwork gig draft.

■ Mini Project: Freelance-ready AI Chatbot Portfolio.

■ Motivation: Ye roadmap sirf learning nahi — earning ka bhi start point hai! ■