

Workflow of Fine Tuning in Agentic AI

1. Define Agent Goal

Decide agent ka role, task aur success criteria.

2. Design Agent Architecture

Planner, executor, tools aur memory structure define karo.

3. Data Collection

Multi-step reasoning, tool usage aur agent trajectories collect karo.

4. Trajectory Labeling

Successful aur failed actions ko clearly label karo.

5. Choose Fine Tuning Method

Supervised fine tuning, reinforcement learning ya preference learning.

6. Model Fine Tuning

Base LLM ko agent specific data par train karo.

7. Tool & Memory Learning

Agent ko sikhana kab tool use karna hai aur memory store/retrieve karni hai.

8. Evaluation

Accuracy ke sath step count, tool misuse aur task completion check karo.

9. Iterative Improvement

Failures se naya data lo aur dobara fine tune karo.

10. Deployment & Safety

Constraints, monitoring aur fallback rules ke sath deploy karo.

Summary:

Agentic AI fine tuning ka matlab hai model ko plan karna, decide karna aur act karna sikhana.