⬆ LEVEL 2 · FOR KIDS WHO ALREADY KNOW PYTHON

Advanced Agentic AI — *they don't just use AI. They build it.*

A frontier curriculum that takes a Python-ready child from prompting to **training real machine-learning models**, giving AI tools and memory, and finally **shipping an AI agent of their own** — with the same evals, guardrails and deployment habits professional AI teams use.

```
# what your child's code looks like by the capstone
agent = Agent(goal="plan my science-fair project",
              tools=[search, calculator, my_notes])
while not agent.done:
    thought = agent.think()   # reason about the next step
    result  = agent.act()     # call a real tool
    agent.observe(result)     # learn from what came back
```

Agents · RAG · real ML

Prerequisite: PlayCamp or basic Python

Real tools, not toy sandboxes

Capstone: ship your own agent

THE SEVEN-UNIT ARC

FOUNDATIONS → PROMPT MASTERY → BUILDING WITH AI → MACHINE LEARNING → AGENTS → KNOWLEDGE & MEMORY → SHIP IT 🏆

7
units — foundations to deployment

1:1
taught personally — tuned to your child

1
working AI agent, built & demoed by them

5.0★
100% recommend on Facebook

WHAT YOUR CHILD ACTUALLY BUILDS

The frontier of AI, at kid altitude — with professional habits from day one.

Every lesson keeps the PlayCamp DNA — play the idea first, then build it for real — but the builds here are the real thing: live AI models, real Python libraries, apps with URLs you can share.

⬆ **This is a Level-2 course. Your child should know basic Python — variables, loops, functions. The Python & AI PlayCamp (or equivalent) is the ideal on-ramp.**

Their own AI lab

A real model running locally with Ollama, or in the cloud with a free Groq key — theirs to command from Python, wrapped in one clean `ask()` helper.

Machine learning, hands-on

A full unit of real ML: data, features, training, classification, overfitting, neural networks — they train models, not just read about them.

Apps with a face

Chatbots with personality and memory, given real interfaces with Gradio and Streamlit — then put online where family can try them.

Agents that act

The think → act → observe loop, built from scratch: agents that use tools, work in teams, and connect to anything via MCP — the same standard the industry uses.

AI that knows their stuff

Embeddings, vector databases and RAG — an "Ask-my-notes" bot that answers from their own documents, with citations, and says "I don't know" honestly.

Quality & safety, for real

Evals as report cards, tracing to debug like a pro, guardrails against prompt injection — the safety engineering most adults haven't learned yet.

THE REAL TOOLS THEY'LL USE

`Python` `Ollama` `Groq` `LLM APIs` `Pydantic` `Gradio` `Streamlit`
`Function calling` `ReAct agents` `MCP` `Chroma` `Pinecone` `RAG` `LangSmith`
`HF Spaces`

97.91%

ACCURACY · 38 PLANT DISEASES

This ceiling is real. One of our 10-year-olds trained his own plant-disease-detecting neural network — 11 layers, ~87,000 training images, 97.91% accuracy across 38 diseases. Not a demo we gave him: a model he built. That's the altitude this track aims for.

Everything browser-first. A reasonably modern laptop is all that's needed — free cloud options cover the rest.

THE CURRICULUM — SEVEN UNITS, ONE ARC

From “how does it work?” to “here’s the one I built.”

1 — Foundations
What AI really is · how an LLM works · set up your own AI lab (local Ollama or cloud Groq) · call a model from Python.

2 — Prompt Mastery
Prompting like a director — roles, examples, step-by-step reasoning · structured outputs with Pydantic so code can trust AI answers.

3 — Building With AI
A chatbot with personality & memory · real interfaces with Gradio & Streamlit · how AI sees and generates images · function calling — giving AI tools.

4 — Machine Learning
The deep-skills spine: data & features, training & prediction, regression, classification, overfitting, clustering, neural networks, CNNs — training real models throughout.

5 — Agents
What an agent is · build a ReAct agent that reasons and acts · the agent loop & harness from scratch · multi-agent teams with roles and hand-offs · connecting via MCP.

6 — Knowledge & Memory
Embeddings & vector search · vector databases (Chroma & Pinecone) · RAG — an AI grounded in your own documents, with citations.

7 — Quality, Safety & Ship It
Evals · tracing & observability · guardrails and prompt-injection defence · deploying online · then the capstone and Demo Day.

🏆 **Capstone: build your own AI agent — then demo it on graduation day.**
Plan it, build it, evaluate it, trace it, guard it, deploy it — every skill from the course, aimed at one agent that is genuinely theirs. Demo Day & Graduation closes the course in front of family.

Same method as the PlayCamp: every hard idea arrives as something to play before it becomes something to build.

THE CODERSBEE DIFFERENCE

Frontier material, taught 1:1 — tuned to your child.

🎯 How it's taught

- ✓ **It starts with the free demo — taught by Manisha herself.** She maps your child's Python level and starts exactly there.
- ✓ **The curriculum bends to your child.** Fascinated by agents? Vision? Game AI? She goes deeper there — and reinforces quietly where the foundations need it.
- ✓ **And goes beyond it.** The written units are the floor: when your child is ready, the teaching keeps climbing — right up to ideas most adults haven't met yet.
- ✓ Classes scheduled around your timezone — rolling start, no batches.

💻 What you need

- ✓ A reasonably modern laptop (Mac, Windows or Linux).
- ✓ Free accounts only — Ollama is free & local; Groq's cloud key is free, no card.
- ✓ Basic Python — see the prerequisite note on page 2.

Taught by Manisha

FOUNDER & LEAD TEACHER · M.TECH (CS)

15+ years teaching coding and AI, 1,000+ students taught, every lesson written by her — and she answers her own WhatsApp.

WITH 1:1 LIVE CLASSES

Included free · classes

from $20/class (about ₹1,750)

- ✓ The full Advanced Agentic AI track — included free for every 1:1 student
- ✓ **6 private 1:1 sessions with the lead teacher — included.** Use them wherever they help most
- ✓ Pay per class, by level and topic — **no big packages**
- ✓ Train real machine-learning models
- ✓ Capstone: they ship an AI agent of their own
- ✓ WhatsApp support throughout

One teacher, all the way through. No rotating trainers — you'll always know exactly who is teaching your child, and she'll know your child by name.

🧭 Not sure which track fits?

- ✓ **New to coding?** Start with the Python & AI PlayCamp — it's the on-ramp to this course.
- ✓ **Knows Python already?** This track is the ceiling-raiser.
- ✓ One free demo class covers both — Manisha will tell you honestly which fits your child.

"Is my child ready for this?"

If they can write a loop and a function in Python, yes. If not yet, the PlayCamp gets them there first — one free demo class settles it honestly.

"What if they get stuck?"

Setup hiccups and bugs are part of the craft — every lesson ships with common fixes, and Manisha is one WhatsApp screenshot away.

"What do they have at the end?"

A working AI agent they designed, built, evaluated and deployed — demoed to family on graduation day, and genuinely theirs to keep improving.

See it before you decide. Book a free demo class.

Manisha takes every demo herself and replies with slots for your timezone. Nothing charged — just message us on WhatsApp.

💬 WhatsApp
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