



AI EXPLORER • AI FOUNDATIONS

Understand AI. Learn to Create With It.

6 Months • Weekly 60-Minute LIVE Class • Small Skill-Based Cohorts

Designed for students beginning their AI journey: understand how AI works, use it responsibly, and create meaningful projects — not just consume AI tools.

100% LIVE

AI LAB

PROJECT-BASED

HUMAN + AI THINKING

AI literacy first: understand, question, create and verify — not just prompt and copy.

Understand → question → verify → create with AI.



PROGRAM OVERVIEW

Six months. One confident AI foundation.

24 LIVE CLASSES

Approximately 24 weekly sessions
60 minutes each
Hands-on coding every week
Real-time instructor guidance

AI FOUNDATIONS

AI concepts → prompting → structured
outputs → evaluation → simple Python + AI →
mini AI apps

Concepts are explored safely and
progressively.

LEARN BY CREATING

AI Lab • prompt challenges • verification •
creative tools • mini AI apps • capstone

Every concept becomes something students
can build.

OUTCOME

**Students finish able to explain how AI works, verify its output and build simple Python + AI apps
— not dependent on copy/paste prompting.**



MONTHS 1-2

AI FOUNDATIONS + PROMPT THINKING

01 • HOW AI & LLMs WORK

AI vs traditional software • training intuition • tokens • context • hallucinations • responsible use

AI Lab: predict, compare and explain AI outputs

02 • PROMPT + CONTEXT THINKING

clear instructions • context • examples • constraints • roles • structured responses • iteration

Build: study helper, idea coach and structured-answer assistant

GOAL Students understand what AI is really doing, why it can be wrong, and how clear context produces better results.

MONTHS 3–4

STRUCTURED OUTPUTS + AI VERIFICATION LAB

03 • STRUCTURED AI OUTPUTS

lists • tables • JSON concepts • rubrics • reusable prompt patterns • multi-step tasks

AI Lab: turn messy answers into useful structured results

04 • VERIFY + DEBUG AI

hallucination spotting • source awareness • consistency checks • prompt debugging • compare outputs

Build: fact-check workflow, revision coach and comparison tool

AI DEBUGGING LAB

Find the failure • identify weak context • test assumptions • improve the prompt • explain why output changed

Later: “AI wrote this — can you fix it?”

GOAL Move from accepting AI answers to structuring, checking and debugging them with confidence.



MONTHS 5–6

PYTHON + AI MINI APPS

05 • PYTHON MEETS AI

Python refresh • variables/functions • API concept • inputs/outputs • safe key handling • simple model calls

Connect simple Python logic to AI-generated responses.

06 • AI EXPLORER CAPSTONE

simple AI workflow • prompt templates • validation • basic Python integration • project design • final AI Explorer capstone

Plan → prompt → build → verify → improve → present.

GOAL Combine the six-month skill set into an organized project the student can explain and proudly demonstrate.



LEARNING BY BUILDING

Not just prompting — AI Explorers create, test and explain AI experiences.

AI Study Helpers

context • structure • verification

Creative AI Tools

prompts • constraints • iteration

AI Story Experiences

roles • choices • consistency

Structured Assistants

tables • JSON • reusable prompts

AI Lab

experiments + judgment + iteration

AI Explorer Capstone

plan • build • verify • present

Python/GitHub are introduced where useful so students begin connecting AI creation with real developer habits.



AI EXPLORER CAPSTONE

One foundation. Different AI creations.

AI HOMEWORK COACH

Explain concepts • ask guiding questions •
create practice • verify answers

Designed to help students learn without
simply giving answers.

AI STORY STUDIO

characters • constraints • branching ideas •
consistency checks

Great for creative students learning
controlled generation.

MY OWN IDEA

Student proposes an idea, scopes it with
Ankit, builds a realistic Explorer version and
presents it.

The capstone is not about making every child build the same project. It is about proving they can use the same core skills independently.



WHAT COMES NEXT

AI Explorer is the foundation — not the finish line.

1 • AI EXPLORER

- Build confidence
- AI foundations
- AI Lab + verification
- AI Explorer capstone

2 • AI BUILDER

- LLM APIs + Python
- RAG foundations
- AI workflows + tools
- More independent builds

3 • AI CREATOR

- Agentic systems
- RAG + evaluation
- Tools + multi-step agents
- Portfolio AI systems

Recommended path: Python foundation first. Students with prior experience can take a readiness assessment for placement.

Know where your child stands in the age of AI → thinkpythonai.com/will-ai-take-my-kids-job



THINKPYTHONAI YOUNG CODERS

From “I use AI” to “I understand and create with AI.”

AI EXPLORER • 6 MONTHS • LIVE • SMALL COHORTS

Weekly coding • AI Lab • Debugging Gym • projects • GitHub • final capstone

Young Coders Coordinator: Crystal
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[AI Readiness Quiz: thinkpythonai.com/will-ai-take-my-kids-job](https://thinkpythonai.com/will-ai-take-my-kids-job)

THE AI EXPLORER PROMISE

We do not teach AI as magic.

Students learn what AI is doing, where it can fail, and how to verify it.

They create useful AI experiences and explain their decisions.

Then they are ready to build real AI applications in AI Builder.

AI literacy first: understand, question, create and verify — not just prompt and copy.