



# Explore Learn Create



**AiEdge &  
Coding4Ai**

For Grades 4 to 10



# Why Choose Our Summer Program?

- ✔ Future-Ready Curriculum – Learn AI and Python Programming with real-world applications
- ✔ Customized by Grade Level – Tailored topics for Grades 4–10
- ✔ Live Online Classes + In-Person Meetups – Flexible hybrid model
- ✔ Expert Mentors – Sessions led by highly trained educators from top EdTech backgrounds
- ✔ Final Projects – Every child builds their own AI app, visual dashboard, or a Python-based game!



# Group A – Grade 4 to 6

## ✓ Coding4AI Topics

- Intro to Python & Turtle Graphics
- Loops for Patterns
- Functions & Reuse
- If-Else Logic + Interactive Decisions
- Games & Simulations with Randomness
- Data with Lists & Graphs
- Mean, Median, Mode + Geometry Drawing
- Final Project – Build Day

## ✓ AiEdge Topics

- What Is AI, Really?
- AI vs ML vs DL – What's the Difference?
- Neural Networks – How AI Builds a Brain
- Generative AI – How Machines Create New Content
- ChatGPT & LLMs – Talking to Machines
- NLP & Computer Vision – Understanding the World
- When AI Plays Games – Reinforcement Learning
- Meet the Senses of a Robot
- CAVs: Smart Cars That Think
- Final Project



# Group B – Grade 7 to 10

## ✓ Coding4Ai Topics

- Introduction to Python – Data types / variables/operators
- Conditional Statements / Loops
- Functions
- Advance Functions / Intro to AI
- Numpy
- Introducing the libraries
- Pandas
- Matplot Lib
- Data Cleaning /handling
- Scikit learning
- Machine Learning
- Classification / Model
- Regression / Model
- Clustering
- Model Building
- Presentation
- ML Model


## ✓ AiEdge Topics

- From Algorithms to Learning Systems
- Machine Learning Models and Training
- Deep Neural Network Architectures
- Generative AI Systems
- Large Language Models and Transformers
- Multimodal Intelligence Systems
- Reinforcement Learning Systems
- Robotic Perception and Decision Making
- Autonomous Vehicles and Intelligent Navigation
- AI Safety, Bias, and Limitations
- Final Project





# Contact Us Get in Touch

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