



AI FOR KIDS

Artificial Intelligence for Kids

A fun and interactive journey into Artificial Intelligence through games, computer vision, voice recognition, creative AI tools, and hands-on projects designed especially for kids.

■ Fun Projects Interactive games & activities	■ AI Tools Pictoblox, Teachable Machine & more
■ Creative Learning Vision, speech & AI concepts	■ Final Showcase Build complete AI applications

Curriculum Roadmap

1. Introduction to AI

- What is AI?
- Real-world examples
- Pictoblox & AI tools

2. Exploring AI Applications

- Face detection
- Emotion recognition
- AI filters & apps

3. Machine Learning Basics

- Training vs Testing
- Supervised learning
- Teachable Machine

4. Building ML Models

- Custom models
- Mask detection
- Accuracy improvement

5. Computer Vision Projects

- Object detection
- Attendance system
- Image AI systems

6. AI in Games

- Pose detection
- Gesture controls
- Motion-based games

7. Audio AI

- Voice recognition
- Clap vs Snap detection
- Sound interactions

8. Speech Recognition

- Voice commands
- Smart assistants
- Voice-controlled apps

9. Introduction to Generative AI

- ChatGPT basics
- Creative AI
- AI-generated ideas

10. NLP

- Text understanding
- Sentiment analysis
- Song recommender/chatbot

11. Data Science Basics

- CSV datasets
- Types of data
- Decision making

12. Text Recognition (OCR)

- Reading text from images
- License plate reader

13. Prediction Models

- Classification vs Regression
- Prediction graphs
- Temperature predictor

14. Final AI Projects

- Complete AI application
- Combine vision, speech & text
- Project showcase

Learning Outcomes

- Understand how AI works in everyday life
- Build fun AI-powered games and applications
- Learn computer vision, voice AI, and NLP basics
- Create projects using images, sound, and text
- Gain confidence in future-ready AI technologies