



## AI For School Students

Artificial Intelligence is no longer the future—it is the present. From smartphones to smart assistants, AI is shaping the world our children will grow up in.

### **Session 1: Welcome to the World of AI!**

**Theme:** “Train Your First Smart Machine”

- What is AI? (Real-life examples like Alexa, YouTube, games)
  - Fun Activity: Guess what AI can/can't do 😞
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### **Session 2: AI Thinks in IFs! (Conditional Statements)**

**Theme:** “Teach AI to Make Decisions”

- IF this → THEN that logic
  - Mini Challenge: Build a “Smart Door” or “Game Decision Bot”
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### **Session 3: Loops – Make AI Repeat Smartly**

**Theme:** “Do More with Less Effort”

- Repeat tasks like a robot 🤖
  - Fun Task: Create a countdown or animation loop
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### **Session 4: Functions – Your AI Superpowers**

**Theme:** “Build Reusable Magic Blocks”

- Create your own commands
  - Activity: Design your own mini-tool (like a calculator)
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### **Session 5: Modules – Use Ready-Made AI Tools**

**Theme:** “Don’t Reinvent, Reuse!”

- Import cool features
  - Fun Task: Add sounds, randomness, or graphics
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### **Session 6: Lists – Store AI Memory**

**Theme:** “Teach AI to Remember Things”

- Store multiple values
  - Activity: Build a “Top 5 Favorite Games” app
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### **Session 7: Dictionaries – Smart Data Storage**


**Theme:** “AI with Brain + Memory”

- Key-value logic
  - Fun Task: Create a mini phonebook or quiz system
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## Session 8: GUI – Make Your AI Look Cool!

**Theme:** “Design Your Own App Interface”

- Buttons, windows, inputs
- Activity: Build your first app with a UI 

### **AI Project Zone: Build Like a Creator!**

## Session 9: Project 1 – Language Translator

**Focus:** Build a smart text translation app

Students will input text and convert it into another language.

They will learn how apps process user input and generate meaningful output.

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## Session 10: Project 2 – Auto Correct System

**Focus:** Create a basic auto-correction tool

The app will detect wrong words and suggest or replace them.

Students will understand pattern matching and text improvement logic.

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## Session 11: Project 3 – AI Filter Applier

**Focus:** Apply smart filters to images

Students will build an app that changes images using filters (brightness,



grayscale, etc.).

They will learn how apps modify visuals dynamically.

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### **Session 12: Project 4 – Progress Report Tracker**

**Focus:** Track and display performance data

Students will create an app to store marks and show progress.

They will understand data handling, calculations, and visual output.

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### **Session 13: Project 5 – Alexa-Like Voice Assistant**

**Focus:** Build a simple voice assistant

Students will create an app that listens and responds to commands.

They will explore voice input, responses, and smart interaction.