

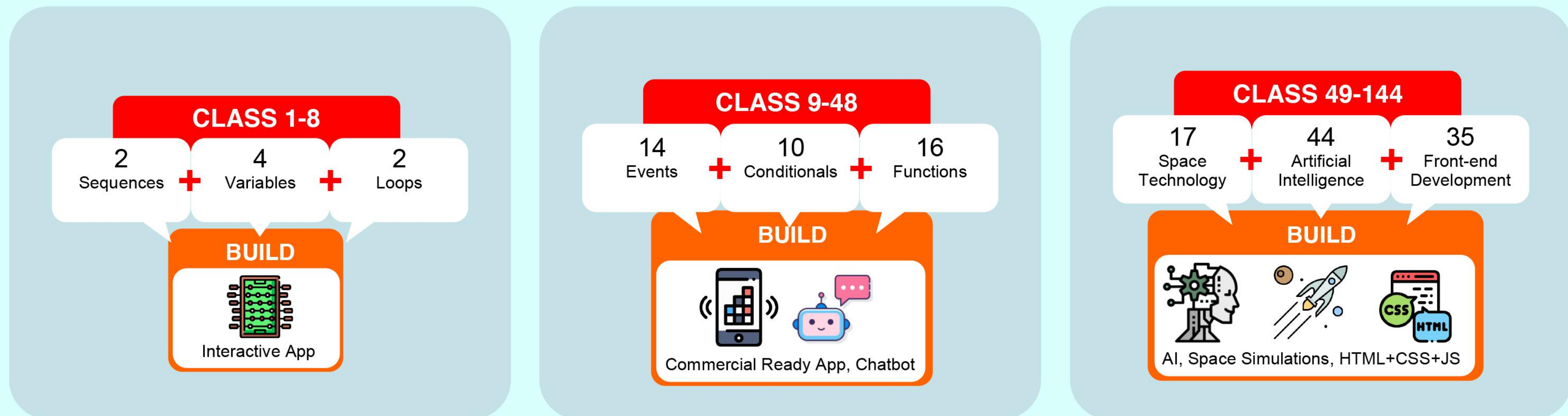
Shrey, my 10 year old has developed keen interest in coding after doing the WhiteHat Jr course.  
His logical thinking is sharper and can now easily relate to structures and algorithms, and wants to create new real-world programs by himself.  
I wish every kid has exposure to this course!" - Leena Shah, Mom, Entrepreneur.



## Build Commercial-Ready Games & AI Apps with Full UI/UX Interface

Kids creativity declines 96% from Age 9 since rule-based learning emphasize binary outcomes.

In WhiteHat Jr Coding, kids use foundation of **logic-sequence, loops, commands to experiment, ,create commercial ready Space Tech apps and specialise in Artificial Intelligence Concepts.**



WhiteHat is created by alumni of the following esteemed institutions



# FOUNDATION

## Basics + Core Programming Concepts + Blockly + Native Apps

CLASS	CONCEPT LEARNING	BUILDING SKILLS
T	Mobile App Basics App Design and Code	Mobile App Design and Code
1	Sequence Procedural Programming Paradigm	Solving Maze Critical Thinking Skill
2	Algorithm Creating & Applying Algorithms	Sketch Art Algorithmic Thinking Skill
3	Program Algorithms to Program	Pixel Art Pattern Logical Thinking Skill
4	App Design GUI Design and Code	Create Mobile App Design and Code
5	Data Variables Manipulate Variable Values	Double Player Game Abstract Thinking Skill
6	OnClick Event Trigger an Event on Click	Double Player Game Parallel Thinking Skill
7	Story Animation Animate Sprites with Code	Story Board Creative Thinking Skill
8	GUI Design and Code GUI Design and Code	Create Arcade Game Design and Code
9	While Loop Iterative Conditional Loop	Solve Puzzle Recursive Thinking Skill
10	Start Event Trigger an Event at Start	Complex Game Structured Thinking Skill
11	Repeat Loop Iterative Conditional Loop	Snow Art Recursive Thinking Skill
12	App Design GUI Design and Code	Create Complex Mobile App Design and Code
13	Stop Event Trigger an Event at Stop	Complex Game Structured Thinking Skill
14	Until Loop Iterative Conditional Loop	Fractal Design Recursive Thinking Skill
15	For Loop Iterative Conditional Loop	Shapes Critical Thinking Skill
16	Game Design GUI Design and Code	Create Complex Arcade Game Design and Code

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
17	Times Loop Iterative Conditional Loop	Patterns Recursive Thinking Skill
18	Count Loop Iterative Conditional Loop	Solve Puzzle Recursive Thinking Skill
19	Nested Loops Recursive Looping	Complex Patterns Recursive Thinking Skill
20	Game Design GUI Design and Code	Create Advanced Mobile Game with UI Design
21	App Design GUI Design and Code	Basic Native App Design Thinking Skill
22	App Design GUI Design and Code	Basic Native App Design Thinking Skill
23	App Design GUI Design and Code	Basic Native App Design Thinking Skill
24	Publishing App	Google Play App Store
25	Touch Event Trigger code on Touch	Mobile App Creative Thinking Skill
26	While-do Conditional Programming	Solve Maze Logical Thinking Skill
27	If-do Conditional Programming	Solve Puzzle Logical Thinking Skill
28	App Design GUI Design and Code	Create Commercial-Ready Mobile App
29	If-else Conditional Programming	Solve Puzzle Logical Thinking Skill
30	Costume Property Control Object Appearance	Sprites Creative Thinking Skill
31	Color Property Control Object Appearance	Sprites Creative Thinking Skill
32	Game Design GUI Design and Code	Create Commercial-Ready Mobile Game

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
33	Repeat do Repeat do Conditionals	Solve Puzzle Logical Thinking Skill
34	OnEvent Function Interactive Design Components	Mobile App Critical Thinking Skill
35	Parallel Functions Interactive Design Components	Mobile App Parallel Thinking Skill
36	App Design GUI Design and Code	App Entrepreneur
37	Chatbot Development Small Talk Services	AI Chatbot Critical Thinking Skills
38	Chatbot Development Chatbot Intents	AI Chatbot Abstract Thinking Skills
39	Chatbot Development Chatbot Knowledgebase	AI Chatbot Critical Thinking Skills
40	Chatbot App Native Chatbot App	AI Chatbot Abstract Thinking Skill
41	Advanced Chat App Algorithm Design	Communication Apps Algorithmic Thinking Skill
42	Advanced Chat App Chat App Prototype	Communication Apps Critical Thinking Skill
43	Advanced Chat App Cloud Integration	Communication Apps Algorithmic Thinking Skill
44	Advanced Chat App Database Integration	Communication Apps Analytical Thinking Skill
45	Advanced Logic Game Rules	Cloud Based Game Critical Thinking Skill
46	Advanced Logic Game Rules	Cloud Based Game Critical Thinking Skill
47	Advanced Logic Database Integration	Cloud Based Game Analytical Thinking Skill
48	Advanced Logic Database Integration	Cloud Based Game Analytical Thinking Skill

# EXPLORATION UI/UX + HTML + CSS + JS + Widgets

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
49	UI / UX Design App Components	Advanced Native Skill Visual Thinking Skill
50	UI / UX Design App Color Scheme	Advanced Native Skill Design Thinking Skill
51	UI / UX Design App Font Scheme	Advanced Native Skill Design Thinking Skill
52	UI / UX Design User Journey	Advanced Native Skill Visual Thinking Skill
53	UI / UX Design App Iconography	Advanced Native Skill Creative Thinking Skills
54	UI / UX Design App Theme	Advanced Native Skill Visual Thinking Skills
55	UI / UX Design App Logo Design	Advanced Native Skill Creative Thinking Skills
56	Front End Development HTML Doctype	Hybrid Apps Logical Thinking Skills 
57	Space Technology Universe	Native Simulation App Critical Thinking Skill
58	Front End Development HTML Body	Hybrid Apps Logical Thinking Skill 
59	Space Technology Local Group	Native Simulation App Critical Thinking Skill
60	Front End Development HTML Structure	Hybrid Apps Logical Thinking Skill 
61	Space Technology Clusters	Native Simulation App Critical Thinking Skill
62	Front End Development GUI Design and Code	Hybrid Apps Logical Thinking Skill 
63	Space Technology Galaxies	Native Simulation App Critical Thinking Skill
64	Front End Development HTML Inline Elements	Responsive Web App  Logical Thinking Skill

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
65	Space Technology Milky Way	Native Reference App Critical Thinking Skill
66	Front End Development HTML Images	Responsive Web App  Logical Thinking Skill
67	Space Technology Andromeda	Native Reference App Critical Thinking Skill
68	Front End Development HTML Links	Responsive Web App  Critical Thinking Skill
69	Space Technology Stars and Planets	Native Reference App Critical Thinking Skills
70	Front End Development HTML Multimedia	Responsive Web App:  Critical Thinking Skills
71	Space Technology Gravitation Laws	Native Simulation App Critical Thinking Skills
72	Front End Development CSS Text Style	Hybrid Apps  Creative Thinking Skills
73	Space Technology General Relativity	Native Simulation App Critical Thinking Skill
74	Front End Development CSS Box Style	Advanced Web Pages  Creative Thinking Skill
75	Space Technology Space-Time Curvature	Native Simulation App Critical Thinking Skill
76	Front End Development CSS Animation	Advanced Web Pages  Creative Thinking Skill
77	Space Technology Black Holes	Native Simulation Apps Critical Thinking Skill
78	Front End Development CSS Effects	Advanced Web Pages  Creative Thinking Skill
79	Space Technology Black Holes	Native Simulation Apps Critical Thinking Skill
80	Front End Development Javascript Syntax	Advanced Web Pages  Critical Thinking Skill

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
81	Space Technology Gravitational Waves	Native Simulation Apps Analytical Thinking Skill
82	Front End Development Javascript Statements	Advanced Web Pages  Critical Thinking Skill
83	Space Technology International Space Station	Utility Widgets Analytical Thinking Skill
84	Front End Development Javascript Strings	Advanced Web Pages  Critical Thinking Skill
85	Space Technology Hubble Telescope	Utility Widgets Analytical Thinking Skills
86	Front End Development Javascript Functions	Interactive Web Game  Critical Thinking Skills
87	Front End Development Javascript Objects	Interactive Web Game  Critical Thinking Skills
88	Front End Development Javascript Boolean	Interactive Web Game  Critical Thinking Skills
89	Front End Development Javascript Conditionals	Interactive Web Game  Critical Thinking Skill
90	Front End Development Javascript Events	Twitter for Kids Critical Thinking Skill
91	Front End Development HTML + CSS + Javascript	Twitter for Kids Design Thinking Skill
92	Front End Development HTML + CSS + Javascript	Twitter for Kids Design Thinking Skill
93	Front End Development HTML + CSS + Javascript	Twitter for Kids Critical Thinking Skill
94	Front End Development HTML + CSS + Javascript	Personal Portfolio Website Critical Thinking Skill
95	Front End Development HTML + CSS + Javascript	Personal Portfolio Website Critical Thinking Skill
96	Front End Development HTML + CSS + Javascript	Personal Portfolio Website Critical Thinking Skill

# SPECIALIZATION AI + NLP + ML + DataScience

