



Codingal

Where kids love AI & coding



Grade 1-3

Hello ! Young Coders

Get ready to fall in love with AI & coding

Accredited by



Excellent by



Backed by





About Codingal

Our Mission: To inspire kids and teens to fall in love with AI & coding

Codingal is a leading online after-school where kids & teens learn AI & coding from expert instructors through live, interactive classes. Our mission is to build the world's largest & most loved programming school for kids & teens, powered by human & AI tutors.

All our instructors come from Computer Science background, and they are rigorously vetted and trained. Every student gets a personalized learning path and individual attention in 1:1 private classes or small group classes with expert instructors. Students learn by building apps, games, animations, and websites in a fun & engaging way.

Kids find Codingal very fun & engaging. They have rated teachers at 4.9 out of 5. Curriculum content is rated at 4.8 out of 5.

Codingal is on a mission to inspire kids to fall in love with AI & coding, and provide the right education to them who will be able to create anything they can imagine and build the future when they grow up to become entrepreneurs, engineers, and scientists.





Codingal empowers kids to become innovators of the future

Why should kids learn AI & Coding?



Coding is the new literacy : Technology has become a core part of our lives, powering everything from websites to smart gadgets. With AI increasingly shaping the future, teaching kids coding and AI prepares them to thrive in a tech-driven world. These skills enable kids to innovate, solve problems, and succeed in a rapidly evolving landscape.

What are the benefits of learning AI & Coding?



- Develops problem-solving skills
- Boosts analytical and data-driven thinking
- Enhances creativity and imagination
- Encourages innovative real-life solutions
- Builds resilience and adaptability

Why this curriculum?



- Accredited by STEM.org
- Rated 4.5 out of 5 by students and parents on Trustpilot
- Based on BIDE (Broad, Inspiring, Deep and Efficient) model
- Focus on STEAM (Science, Technology, Engineering, Arts, Math) subjects
- Enhances cognitive, logical, and computational skills
- Makes learning highly effective, interactive, and fun



Why learning to code is essential for every child in the age of AI



AI development requires coding

Building AI requires coding, which provides instructions to make the system function properly, ensuring everything runs smoothly and behaves as intended.



Augmenting human creativity

AI serves as a powerful tool for enhancing creativity, helping creators but still relying on human direction to produce unique and meaningful results.



Coding as a foundation for AI literacy

Learning to code is essential for understanding technology, enabling effective communication with computers and empowering individuals to create and innovate.



New jobs & industries

The rise of AI creates new opportunities in various fields, from developing AI tools to maintaining and improving systems, generating demand for skilled professionals.

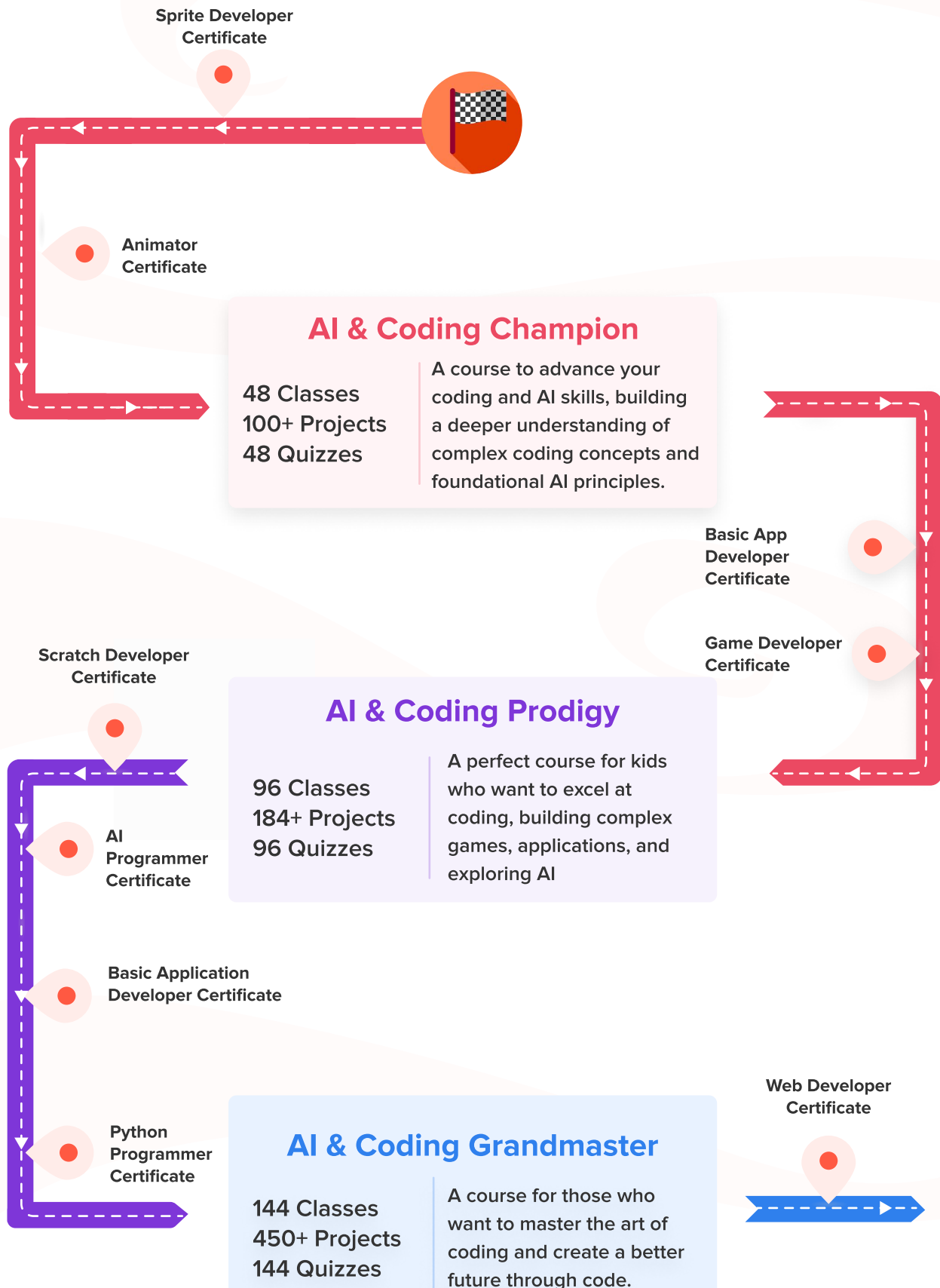


No-code/low-code platforms

No-code platforms simplify building applications with drag-and-drop tools, but coding knowledge is necessary for creating more customized, complex features and designs.



Student's learning journey





Earn AI & Coding certificates with STEM.org accreditation



1

Champion



2 Prodigy



3

Grandmaster



10+ Additional certificates in the entire learning journey



AI & Coding Grandmaster

Master the future of programming through AI-powered learning! Create interactive games and intelligent applications while advancing from basic coding principles to mastery of Python, web development, and artificial intelligence.

144 Classes
350+ Projects
144 Quizzes



Key learnings

- ✓ AI Integration
- ✓ Game Development
- ✓ Mobile App Creation
- ✓ Python Programming
- ✓ Web Development



Top achievements

- ✓ Creative Coding
- ✓ Technical Skills
- ✓ Problem Solving
- ✓ Interactive Projects
- ✓ AI Integration

AI

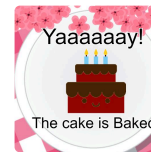
Module 1 Animation

Discover magical coding basics, create moving sprites, learn programming fundamentals, plus meet AI genies that guess your thoughts!

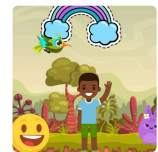
Language:
Block based

Platform:
[Code.org \(Sprite Lab\)](#)

6 Lessons & 25+ Projects



[Let's Bake a Cake](#)



[Real life Simulation](#)

AI

Module 2 Interactive Games

Master coordinates and loops! Build amazing dance parties with AI creating intelligent backgrounds from selected emojis!

Language:
Block based

Platform:
[Code.org \(Sprite Lab\)](#)

6 Lessons & 20+ Projects



[Place It!](#)



[Dance Party](#)



Unlock Sprite Developer Certificate

AI

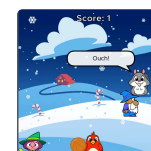
Module 3 Critical Thinking

Design interactive games and moving characters! Explore loops, variables, plus create AI safety advisors!

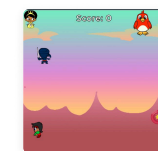
Language:
Block based

Platform:
[Code.org \(Play Lab\)](#)

6 Lessons & 15+ Projects



[Squirrel Run](#)



[Catch the Magical Bird](#)

AI & Coding Grandmaster

AI

Module 4

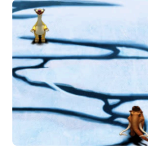
Single Player Games

Code complex loops and data games!
Build zombie adventures while creating smart AI pet companions!

Language:
Block based

Platform:
[Code.org \(Play Lab\)](#)

6 Lessons & 15+ Projects



[Ice Age](#)



[Tennis Game](#)

AI

Module 5

Minecraft

Explore Minecraft coding adventures! Master loops, functions, train AI models while solving aquatic puzzles and heroic challenges.

Language:
Block based

Platform:
[Code.org \(Minecraft\)](#)

6 Lessons & 15+ Projects



[Voyage Aquatic](#)



[Minecraft Adventure](#)



Unlock Animator Certificate

Module 6

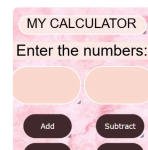
Utility Apps

Build basic mobile apps! Create calculators, colorful switches, and bouncing ball games completely!

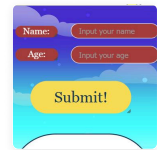
Language:
Block based

Platform:
[Code.org \(App Lab\)](#)

6 Lessons & 15+ Projects



[Calculator](#)



[Portfolio App](#)

AI

Module 7

Basic GUI Apps

Draw amazing turtle art and compose music! Design health apps featuring intelligent AI drawing assistants!

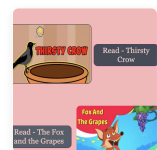
Language:
Block based

Platform:
[Code.org \(App Lab\)](#)

6 Lessons & 10+ Projects



[Health Guide](#)



[Storybook App](#)

AI

Module 8

Apps Using Database

Create virtual zoos and survey apps! Build whiteboards, database-powered image generators, plus smart AI chatbots!

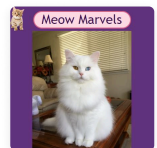
Language:
Block based

Platform:
[Code.org \(App Lab\)](#)

6 Lessons & 10+ Projects



[Virtual Zoo](#)



[Meow Marvels](#)



Unlock App Developer Certificate

AI & Coding Grandmaster

Module 9 Logic Building

Improve reasoning and problem-solving by mastering cryptography, binary, and logical coding concepts interactively.

Language:
Block based

Platform:
[Code.org \(App Lab\)](#)

6 Lessons & 15+ Projects



[Sign ABC](#)



[My Slam Book](#)

Module 10 Game Development - I

Learn about the functions and controls of gaming elements. Build games using loops and counter variables.

Language:
Block based

Platform:
[Code.org \(Game Lab\)](#)

6 Lessons & 10+ Projects



[Diamond Search](#)



[Iron Man](#)

Module 11 Game Development - II

Get introduced to functional parameters of gaming elements. Get ready to see magic in your game.

Language:
Block based

Platform:
[Code.org \(Game Lab\)](#)

6 Lessons & 10+ Projects



[Space Shooter](#)



[Trash Sorter](#)

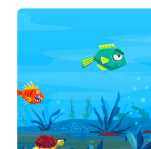
Module 12 Advance Game Development

Master sprite movements, velocity detection, and conditionals while creating immersive games in JavaScript.

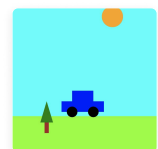
Language:
Block based

Platform:
[Code.org \(Game Lab\)](#)

6 Lessons & 10+ Projects



[Aquarium](#)



[Spriteless animation](#)



Unlock Game Developer Certificate



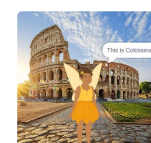
Module 13 Basic Animation Development

Dive into Scratch, build games, and create AI face filters using real-time camera detection logic

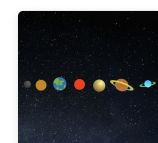
Language:
Block based

Platform:
[Scratch](#)

6 Lessons & 15+ Projects



[7 wonders](#)



[Solar System](#)



AI & Coding Grandmaster

AI

Module 14 Game Design - I

Build musical games and bouncing animations! Program smart sprites that detect your movements using AI!

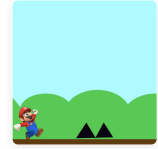
Language:
Block based

Platform:
Scratch

6 Lessons & 10+ Projects



[Dj Cat](#)



[Mario Dash](#)

AI

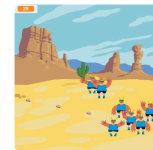
Module 15 Game Design - II

Build advanced Scratch games including Snake, Car racing, and Casey adventures! Create AI assistants speak multiple languages!

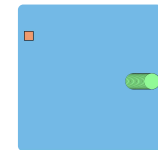
Language:
Block based

Platform:
Scratch

6 Lessons & 10+ Projects



[Hungry Casey](#)



[Snake game](#)



Unlock Scratch Developer Certificate

AI

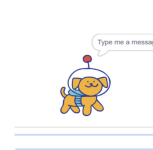
Module 16 Artificial Intelligence Basic

Learn AI fundamentals and build dynamic Scratch projects with text, sound, and image recognition.

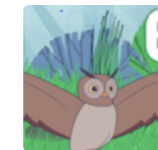
Language:
Block based

Platform:
[AI Code 101](#) + [Scratch](#)

6 Lessons & 10+ Projects



[Happy sad dog](#)



[Owl chatbot](#)

AI

Module 17 Artificial Intelligence Advance

Train machines with sound and image recognition, deep learning, and create intelligent Scratch projects.

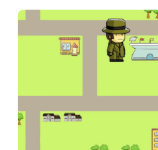
Language:
AI

Platform:
[AI Code 101](#) + [Scratch](#)

6 Lessons & 10+ Projects



[Sorting hat](#)



[Tourist information](#)



Unlock AI Developer Certificate

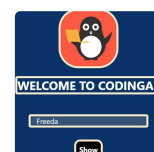
Module 18 UI/UX Design

Learn app design basics with Thinkable, create health apps, and explore creative UI/UX features.

Language:
Block based

Platform:
[MIT App Inventor](#)

6 Lessons & 15+ Projects



[Welcome App](#)



[Health App](#)

AI & Coding Grandmaster



Module 19

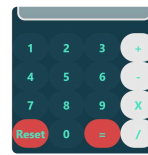
Mobile App Development

Develop apps like Space Warriors using canvas, sensors, gyroscope, and advanced components in Thinkable.

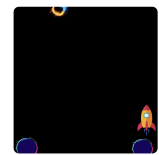
Language:
Block based

Platform:
[MIT App Inventor](#)

6 Lessons & 10+ Projects



[Calculator](#)



[Space Warriors](#)

Module 20

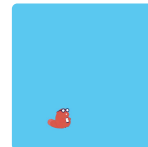
Native Applications

Integrate cloud storage, location sensors, and interactive designs to build dynamic native applications.

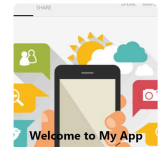
Language:
Block based

Platform:
[MIT App Inventor](#)

6 Lessons & 10+ Projects



[Mole Mash](#)



[My App](#)



Unlock Basic Application Developer Certificate

Module 21

Shape making using Python

Learn Python using block-based programming. Create interactive shapes using the basic concepts of Python.

Language:
Python

Platform:
[Trinket](#)

6 Lessons & 10+ Projects



[My Scenery View](#)



[Robo Master](#)

Module 22

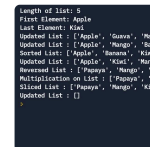
Python Programming

Learn Python through block-based programming by creating interactive shapes using fundamental Python concepts.

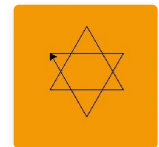
Language:
Python

Platform:
[Repl.it](#)

6 Lessons & 15+ Projects



[Work with Lists](#)



[Fun with Turtle](#)



Unlock Python Programmer Certificate

Module 23

HTML Basics

Learn the basics of constructing and managing a website by creating webpages using HTML.

Language:
HTML

Platform:
[codepen.io](#)

6 Lessons & 15+ Projects

World's Top 5 Richest Pers

Name	Worth	Company
Jeff Bezos	\$190bn	Amazon
Bill Gates	\$120bn	Microsoft
Mark Zuckerberg	\$100bn	Facebook
Bernard Arnault & Family	\$81.4bn	LVMH
Mukesh Ambani	\$80.5bn	Reliance

[Tables](#)

Youtube Playlist: Best Cartoon Mo



[Youtube Playlist](#)

Module 24

CSS Basics

Make webpages more fun with CSS styles and links to make them look nice and colorful.

Language:
CSS

Platform:
[codepen.io](#)

6 Lessons & 15+ Projects

The Lion and the Mouse



[My Story](#)

The Grand Canyon, USA



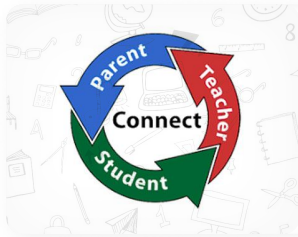
[My first website](#)



Unlock Web Developer Certificate



Top 10 benefits of learning at Codingal



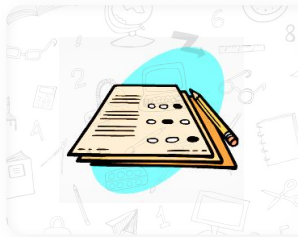
1. Regular PTM

Great opportunity for parents and teachers to open two-way communication and to share insights and information for the holistic development of a child.



2. Regular doubt session

After every module solve all your queries in this personalized session. The toughest problems addressed – concepts revised and doubts cleared!



3. Engaging quizzes

Quizzes are fun and help us remember important facts. These well-targeted and tailor-made quizzes will boost self-esteem and confidence among kids.



4. Thrilling competitions

Regular competitions are conducted to encourage students to showcase their skills and develop their ideas.

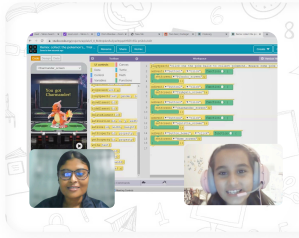


5. Learning Certificates

Show the world what you can do with a certificate for every amazing skill you master.



Top 10 benefits of learning at Codingal



6. Live personalized classes

Understand concepts faster with personal attention from teachers. Learn coding from highly qualified teachers trained to make learning effective and impactful.



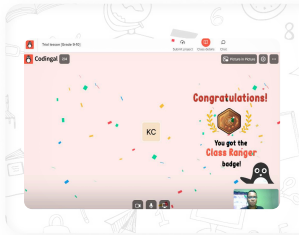
7. Lifetime access to class videos

Forgot what was taught in the last class? No worries. Watch the recorded class video anytime to refresh your memory.



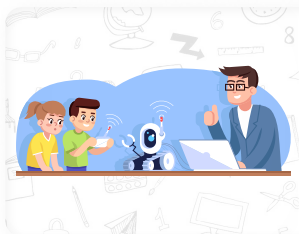
8. Lifetime access to resources

Get lifetime access to our exclusive learning content including DIY sheets, videos, and other resources.



9. Gamified learning

Codingal makes learning fun with gamification. Students can take quizzes or complete projects to earn points, badges, and rewards.



10. After class projects

For each class, students have the opportunity to complete an after-class project, enabling them to apply what they've learned, test their skills, and receive valuable feedback from their teacher.



Students and parents love Codingal



Ray

Japan

“ I love learning with Codingal. It's always fun and the teacher is nice and kind.



Lavanya

India

“ The courses develop multiple skills and ensure maximum clarity of coding concepts.



Billie

Kenya

“ Codingal classes are so much fun. I've started to really enjoy creating things with code.



Elara Dalton

USA

“ I referred Codingal to my friend, and now we're both into coding! She joined the classes too. Plus, Codingal gave me a whole month of free coding classes.



TrustScore **4.8** | **425** reviews



4.6 out of 5



5 out of 5

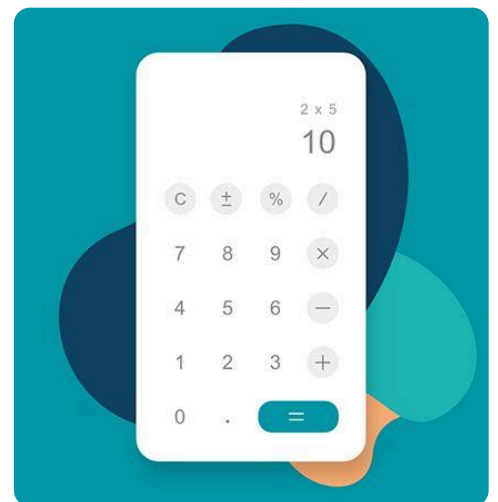


Unlock your child's potential in Math & Science with AI and Coding



In Science, AI and Coding enable simulations and data analysis. Students use AI models to predict outcomes in biology, chemistry, and climate science, learning how coding drives scientific discovery and accelerates problem-solving in real-world applications.

Learning AI and Coding help students apply mathematical concepts like linear algebra and statistics to real-world problems. Coding AI models allows them to visualize math, make predictions, and see how math powers data analysis and decision-making.



Our teachers provide individual attention to kids, customize projects based on their interests and make them fall in love with AI & Coding, enabling them to also perform well in other subjects in school.





Foundation of Codingal's curriculum

BLOOM

Bloom's Taxonomy is a standard guideline for K-12 content development, which includes 6 stages of learning: Remember, understand, apply, analyze, evaluate and create.

BIDE

The BIDE (Broad, Inspiring, Deep and Efficient) model has been developed by Codingal in-house to ensure that our curriculum caters to the unique learning style of every child.

STEAM

STEAM is an approach to learning that uses Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking.



AI & Coding - Gateway to success in the future

“

Now is a great time to be entering the coding world because technology will change more in the next 10 years than it has in the last 50.

- Bill Gates

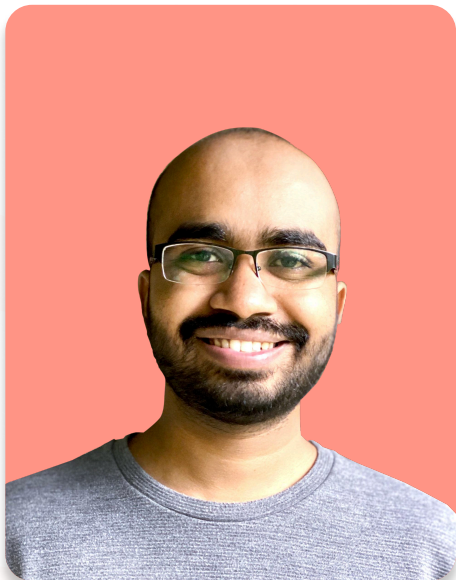
“

Whether you want to uncover the secrets of the universe, or you just want to pursue a career in the 21st century, basic computer programming is an essential skill to learn.”

- Stephen Hawking



A note from Codingal Founders



Teaching coding and AI to kids is a profound responsibility. Our dedicated educators and meticulously crafted curriculum reflect our deep understanding and commitment to nurturing future innovators.

Vivek Prakash

Co-founder & CEO
B.Tech & M.Tech, IIT Roorkee



Learning to code is not just about reaching new heights like going to Mars or the moon. Coding, along with AI, equips kids with the skills to think critically and creatively, empowering them at multiple levels.

Satyam Baranwal

Co-founder & COO
B.Tech, IIT Dhanbad





Begin your child's AI & coding journey today

Is your child ready for the future?

Visit www.codingal.com

Try a free lesson!

Thank You

Built by alumni of

Google amazon



IIT Roorkee



IIT Dhanbad

In partnership with



IIT Bombay



IIT Guwahati



Hewlett Packard
Enterprise



BITS Pilani

Accredited by STEM.org



Backed by



Combinator



REBRIGHT
PARTNERS

Got questions? Contact us anytime.

Send us a message



support@codingal.com



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Where kids love AI & coding

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