



CODE & LOGIC: SCHOOL ESSENTIALS



praxisforge.com



contact@servicehive.tech



+91 8076222572



Noida, Uttar Pradesh IN

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ABOUT US

PraxisForge was founded by a team of engineers, educators, and innovators from **Microsoft, Google, Amazon, Samsung R&D, McKinsey, WB, Volvo, and institutions like IIT Madras, IIT Mandi, IIM Ahmedabad, and IIM Bangalore.**

With decades of combined experience in tech, education, and mentorship, we built PraxisForge to close the gap between theory and industry practice. Our remote-first, project-based model brings real-world skills to learners—anytime, anywhere.

We don't just teach. We build the next generation of innovators.



OUR PHILOSOPHY

*Education should unlock potential
not just deliver information*

*“At PraxisForge, we turn curiosity into capability through
real-world projects,
guided by mentors who’ve built the future
and now help you build yours.”
– PraxisForge*



OUR STORY

At **PraxisForge**, our journey began with a simple but powerful belief: real learning happens when theory meets action.

From Big Tech to Big Impact.

PraxisForge was founded by experts from Microsoft, Google, Amazon, and IITs with one goal:

- Reshape tech education with real-world projects
- Enable mentorship and outcomes that matter
- Build a platform where students don't just study — they do



We saw a critical need: while students were mastering theory, they lacked real-world exposure, mentorship, and project-based application. So, we set out to change that — by building a remote-first platform where students don't just study what could be done—they actually do it.

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OUR ACHIEVEMENT

- Trained over 800+ students across India
- Completed 60+ real-world remote projects
- Partnered with leading schools and colleges
- Built a mentor community from top global companies and institutions
- Enabled learners to build portfolios that speak louder than grades



Why We're Called PraxisForge :

- Praxis: The act of applying theory to practice
- Forge: A place of transformation, creation, and strength

At **PraxisForge**, we empower learners to apply what they know and forge who they're meant to become — with industry-grade tools, hands-on projects, and mentorship from the best minds in tech and business.

Whether you're a school student exploring your first line of code, a college student preparing for your tech career, or an educator seeking to modernize your curriculum — PraxisForge is where your future is built.



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OUR OBJECTIVES

At Praxis Forge, we believe in cultivating the next generation of digital creators through structured, engaging, and mission-driven learning. Our core objectives are:

1. **Empower Young Innovators:**

Introduce students to the fundamentals of computer science and digital literacy in a fun, gamified format.

2. **Bridge Creativity and Technology:**

Blend logical problem-solving with artistic expression using Scratch, HTML, CSS, and JavaScript.



Choose Your Code Quest: Build Skills, Battle Challenges

- **Foster Logical Thinking:** Strengthen problem-solving and critical thinking skills through real-world coding challenges.
- **Encourage Creative Expression:** Enable learners to design, animate, and build projects that reflect their ideas and imagination.
- **Promote Teamwork and Confidence:** Provide opportunities for peer collaboration, presentations, and recognition to nurture confidence and communication.
- **Gamify Learning:** Turn each lesson into an engaging mission with badges, boss levels, and loot rewards to make coding exciting and memorable.

Ready to shape your tech future?

Learn how to bring Code Quests to your classroom at praxisforge.com



WHY CHOOSE PRAXISFORGE?

At PraxisForge, our programs go far beyond theory. Whether you're diving into Data Science or mastering the MERN Stack, you'll get real industrial exposure from day one.

What Makes Us Different



- **Industrial Training That Matters:** Get trained in real-world scenarios, with practical implementation of tools and workflows used in the tech industry today.
- **Live Industry Expert Interactions:** Every week, meet and learn from professionals at top firms like Amazon, Google, and Microsoft. Gain mentorship, ask questions, and hear what actually happens inside tech teams.

Every learner gets:

- *Live weekly mentorship*
- *Industry exposure*
- *Resume-grade projects*
- *Final demo showcase with feedback*



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Choose Your Code Quest: Build Skills, Battle Challenges

CHOOSE YOUR SQUAD!

Class 6-8: CodeX: Proto

Block-based coding quests in Scratch, epic sprite battles, and puzzle-solving missions.

Learn to think like a coder with fun, interactive challenges designed to sharpen your logic and creativity.

Class 9-10: CodeX: Matrix

Beginner-friendly web missions with HTML/CSS/JavaScript, API treasure hunts, and real-world mini-app challenges.

Explore the digital world by building real projects, from websites to interactive apps.

CLASS 6-8: CODEX: PROTO

A thrilling, gamified 10-week coding adventure for Gen Alpha.
Dive into the world of block-based programming with Scratch!

Week 1: Code Launchpad & Setup

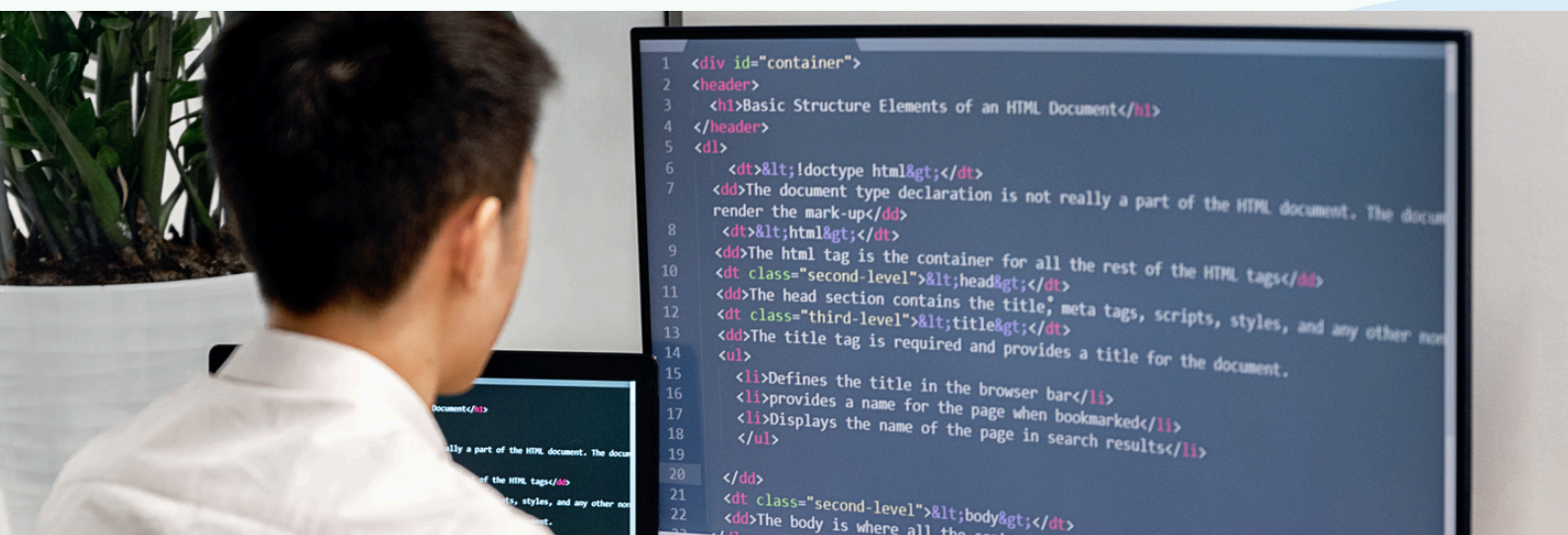
Title: Sprite Showdown

- **Mission:** Customize a sprite's victory dance in Scratch
- **Boss Battle:** Spin, fire confetti, and showcase animation
- **Badges:** Hello Hero, Spin Master
- **Toolkit:** Scratch Guide, Code.org Intro, Ninja Map

Week 2: Event Frenzy & Interactive Quests

Title: Quiz Quest

- **Mission:** Build an interactive, 3-question quiz using Scratch event triggers.
- **Combo Move:** Enable responses to both clicks and key presses.
- **Badges Earned:** Quizmaster, Event Evangelist
- **Toolkit Includes:** Scratch Events Manual, Griff Patch's YouTube Tutorial



Ready to shape your tech future?

Ready to start your code quest? Visit praxisforge.com to enroll.



Week 3: Animation Arcade & Style Showdown

Title: Ninja Run

- **Mission:** Animate your ninja to dash, jump, and vanish
- **Combo Move:** Use move, repeat, and costume switch for motion effects
- **Badges Earned:** Animation Ace & Motion Mage
- **Toolkit: Scratched** Animation Guide, “Make Your Sprite Walk” Video

Week 4: Variables Vault & Data Dungeons

Title: Score Sorcery

- **Mission:** Create a treasure hunt that counts coins using variables
- **Combo Move:** Trigger actions with score monitors & color-touch detection
- **Badges Earned:** Variable Virtuoso & Score Seeker
- **Toolkit Provided:** Scratch Variables Guide, Puzzle Worksheet



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Week 5: Logic Lab & Decision Dragons

Title: Dragon Duel

- **Mission:** Program a branching battle where your dragon must dodge obstacles — or lose a life!
- **Combo Move:** Harness color sensing and conditional logic using if/else blocks to control outcomes.
- **Badges Earned:** Logic Lord & Branch Boss
- **Toolkit Provided:** Scratch Control Guide, “Clicker Game” Tutorial



Week 6: Function Forge & Magic My Blocks

Title: Combo Crafter

- **Mission:** Create your own custom blocks using Scratch’s “My Blocks” feature to build actions like jump(), teleport(), and blastoff().
- **Combo Move:** Use Call My Blocks to create seamless loops and reusable code sequences.
- **Badges Earned:** Block Builder & Function Forger
- **Toolkit Provided:** Scratch My Blocks Guide, Wizards of Block Tutorial

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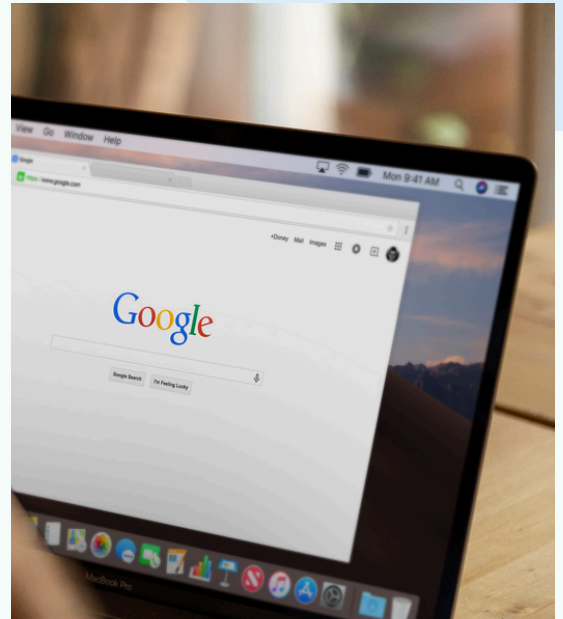
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Week 7: Web Warriors & Mini-Site Mayhem

Title: Pet Portal

- **Mission:** Build a single-page pet profile website using foundational HTML tags such as `<h1>`, ``, and `<p>`.
- **Combo Move:** Customize your page with background colors, fonts, and pet-themed images or sprites.
- **Badges Earned:** Tag Tactician & Markup Maverick
- **Toolkit Provided:** W3Schools Beginner HTML Guide, Khan Academy Intro to HTML Tutorial



Week 8: Bonus Boss Level (Optional)

Title: Beat Box Builder

- **Mission:** Create a virtual musical instrument by mapping keyboard keys to custom sounds in Scratch.
- **Bonus Play:** Layer rhythms and beats to build your own interactive soundboard.
- **Badges Earned:** Sound Sage & Rhythm Ranger
- **Toolkit Provided:** Scratch Sound Guide, Beat Creator Handbook



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Week 9: Debug Dungeon & Team Trials

Title: Bug Bounty

- **Mission:** Dive into Scratch projects filled with hidden bugs and fix them using logic, testing, and critical thinking.
- **Team Move:** Buddy Coding Relay — take turns debugging with a teammate in a timed challenge.
- **Badges Earned:** Bug Buster & Pair Programmer
- **Toolkit Provided:** Scratch Debug Map, Relay Race Activity Cards

Week 10: Grand Showcase & Loot Ceremony

- **Guild Gathering:** Celebrate the journey! Our top 3 Scratch creators will demo their final projects in front of peers, mentors, and special guests.
- **Loot Drop:** Participants unlock certificates of achievement, custom stickers, and exclusive PraxisForge Loot Crates to commemorate their coding quest.



Congratulations, Code Adventurers — the quest is complete!

Unlock your next chapter at praxisforge.com



CLASS 9-10: CODEX: MATRIX

Class Duration: 90 minutes → **Course Length: 10 Sessions**

Week 1: Code Launchpad & Setup

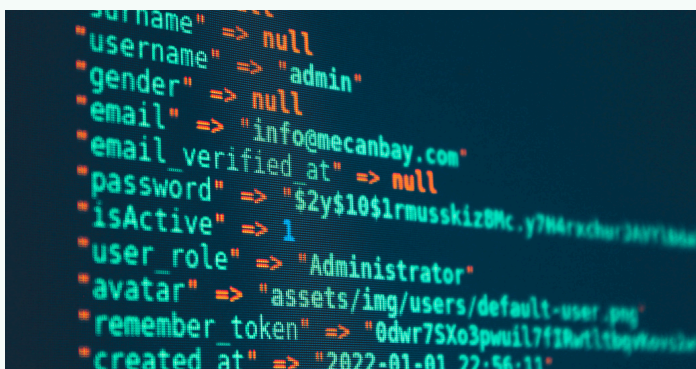
Title: Console Conqueror

- **Mission:** Build your very first HTML page and write output using `console.log()`.
- **Boss Battle:** Display your codename and favorite quest inside the browser console.
- **Badges Earned:** Web Wizard & Console Champion
- **Toolkit Provided:** MDN HTML Starter, JavaScript.info "Hello World" Tutorial, CodePen Lab

Week 2: Event Frenzy & Interactive Quests

Title: Button Blitz

- **Mission:** Create a button that transforms shape and updates its text when clicked.
- **Combo Move:** Use `getElementById()` and `addEventListener()` for interactive control.
- **Badges Earned:** DOM Dominator & Click Commander
- **Toolkit Provided:** W3Schools DOM Guide, MDN Event Handling Documentation



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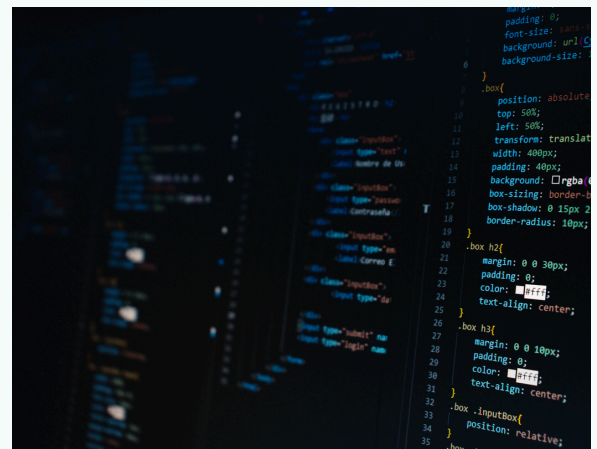
PraxisForge Curriculum | Project-Based Tech Learning | Contact: hello@praxisforge.com



A thrilling, gamified 10-week coding adventure designed to hook **Gen Alpha** into the world of coding through block-based fun in Scratch!

Week 3: Animation Arcade & Style Showdown

- **Title:** Pixel Picasso
- **Mission:** Design a glowing profile card using HTML and CSS animations.
- **Combo Move:** Apply gradient backgrounds and smooth fade-in effects to level up your page style.
- **Badges Earned:** CSS Conjuror & Style Sage
- **Toolkit Provided:** CSS-Tricks Animation Playground, MDN CSS Animation Guide



Week 4: Variables Vault & Data Dungeons

- **Title:** Array Architect
- **Mission:** Build a dynamic to-do list powered by JavaScript arrays.
- **Combo Move:** Use loops to display and manage list items in the DOM.
- **Badges Earned:** Data Defender & List Legend
- **Toolkit Provided:** JavaScript.info – Arrays & Loops, FreeCodeCamp – JS Basics



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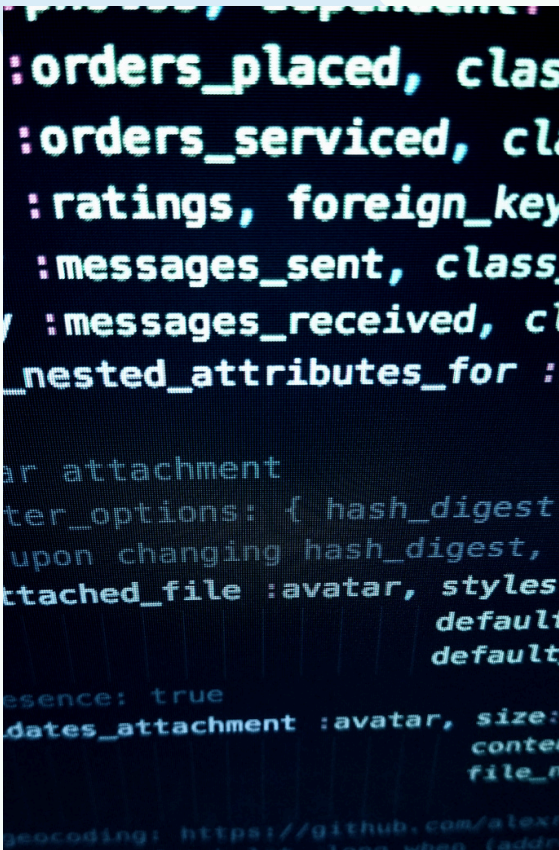
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Week 5: Logic Lab & Decision Dragons

Title: Guessing Gauntlet

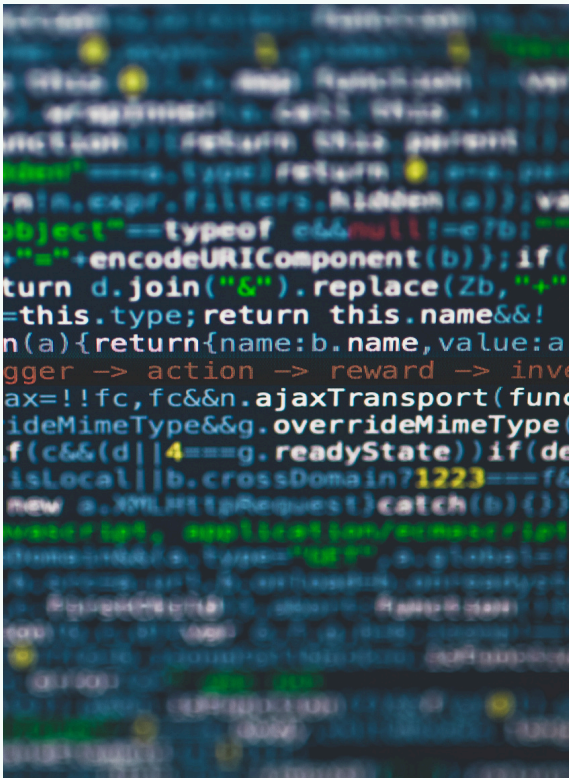
- **Mission:** Build an interactive number-guessing game using core JavaScript logic.
- **Combo Move:** Integrate `Math.random()` and `if/else` statements to create a dynamic game flow.
- **Badges Earned:** Conditional Champion & Random Ranger
- **Toolkit Provided:** MDN Conditional Statements Guide, JavaScript30 – Drum Kit Demo



Week 6: Function Forge

Title: Function Fury

- **Mission:** Learn to write JavaScript functions with parameters and return values.
- **Combo Move:** Create reusable logic blocks to simplify and supercharge your code.
- **Badges Earned:** Function Fiend & Parameter Pro
- **Toolkit Provided:** JavaScript.info
 - Functions Guide, Codecademy
 - JavaScript Functions



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Week 7: Web Warriors & Mini-Site Mayhem

Title: Navigator Nexus

- **Mission:** Build a two-page website that lets users explore and navigate between pages.
- **Combo Move:** Use anchor links for seamless page navigation, and enhance your layout with custom CSS styling.
- **Badges Earned:** Link Legend & Nav Ninja
- **Toolkit Provided:** MDN Navigation Guide, FreeCodeCamp HTML/CSS Labs



Week 8: Bonus Boss Level (Optional)

Title: Weather Warden

- **Mission:** Use the OpenWeatherMap API to display real-time weather data inside your app.
- **Combo Move:** Fetch weather icons, temperature, and descriptions to create a live widget.
- **Badges Earned:** API Alchemist & Widget Wizard
- **Toolkit Provided:** OpenWeatherMap API Docs, MDN Fetch Guide

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Week 9: Debug Dungeon & Team Trials

- **Title:** Debug Duel
- **Mission:** Use DevTools to find and fix bugs.
- **Team Move:** Live scoreboard challenge
- **Badges Earned:** DevTools Dynamo & Fix-it Ferris
- **Toolkit:** Google DevTools, Live Debug Demo



Week 10: Grand Showcase & Loot Ceremony

- **Guild Gathering:** Present mini-sites or widgets live
- **Loot:** Launch on GitHub Pages and receive digital swag



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THANK YOU

"Together, we can forge pathways to innovation, confidence, and career readiness. Your Interest fuels our mission to empower future innovators."



contact@praxisforge.com



+91 8076222572



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