![codeplab academy logo]

Generative AI App Development

Empowering Your Child's Future in Tech

This course teaches web-app development, AI integration, cloud databases and other related tech concepts. Each student will have a fully-functional web app launched by the end of the course, having on-boarded their initial set of users.

www.codeplab.com/academy

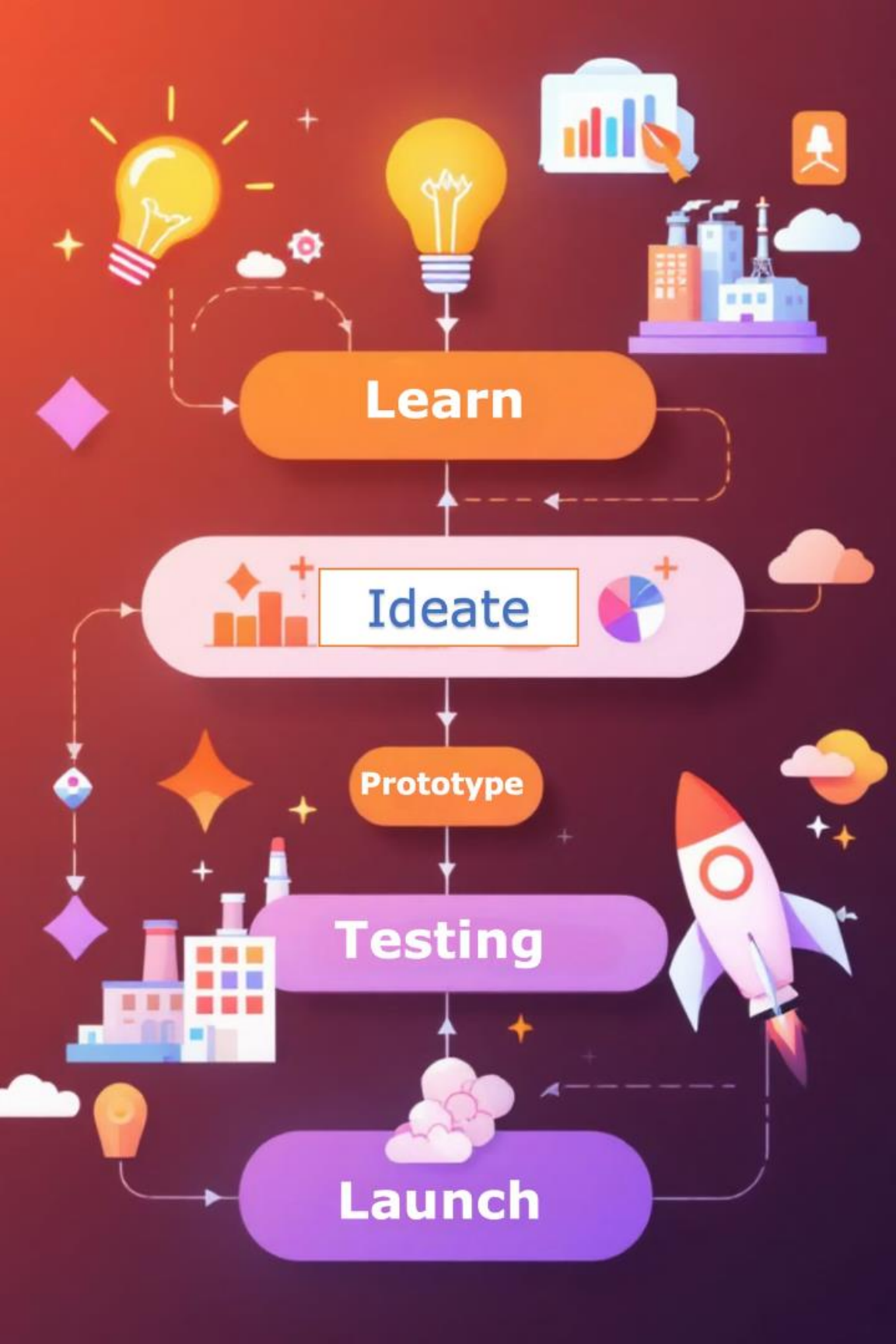**academy@codeplab.com | +971 569343268**

Empower Your Child's Future in Tech

Unlocking Tech Potential

This course teaches valuable tech skills, fostering creativity, problem-solving, and innovation.

Entrepreneur Journey

We take students through the journey of launching their product line, online, marketing, acquiring user base etc.

Course Curriculum: From Learning to Ideation to Deployment

1 **Web Development Fundamentals**

Learn essential web development tools. Gain a solid understanding of HTML, CSS, and JavaScript.

2 **API Integration**

Master API integration using Postman. Practice using APIs like OpenAI and Gemini.

3 **Ideation**

Brainstorm and define app concepts, identify target users, and conduct market research.

4 **Development**

Apply the learnings to develop a prototype.

5 **Testing & Refinement**

Ensure app functionality, usability, and performance through rigorous testing and iteration.

6 **Deployment**

Publishing the app on a web server, linking it with a domain, creating professional emails, and marketing the product.

Learn

Ideate

Prototype

Testing

Launch

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Web Development with Generative AI Integration

HTML, CSS, JavaScript

Students learn the foundations of web development to build interactive and visually appealing websites.

AI API Integration

They learn to integrate generative AI APIs to add intelligent features, like text generation, image creation, or personalized recommendations.

Leveraging Cloud Technologies for Scalability

Cloud Hosting

Students learn about cloud platforms like Google Cloud, which provide scalable infrastructure for their apps.

Cloud Databases

They explore cloud-based databases, enabling efficient data storage and retrieval for their app's functionality.

Serverless Architecture

They learn about serverless computing, allowing apps to scale automatically based on demand.

Secure Databases and Data Management

Data Security

Students understand the importance of secure data storage and learn techniques to prevent unauthorized access.

Data Management

They learn how to organize, store, and retrieve data efficiently, ensuring app performance.

User Privacy

They learn about data privacy regulations and best practices to protect user data and comply with legal requirements.

Publishing Your App and Gaining Initial Users

1

Deploy App to Hosting Server

Students learn how to deploy their web application on a hosting server, server, meeting industry standards.
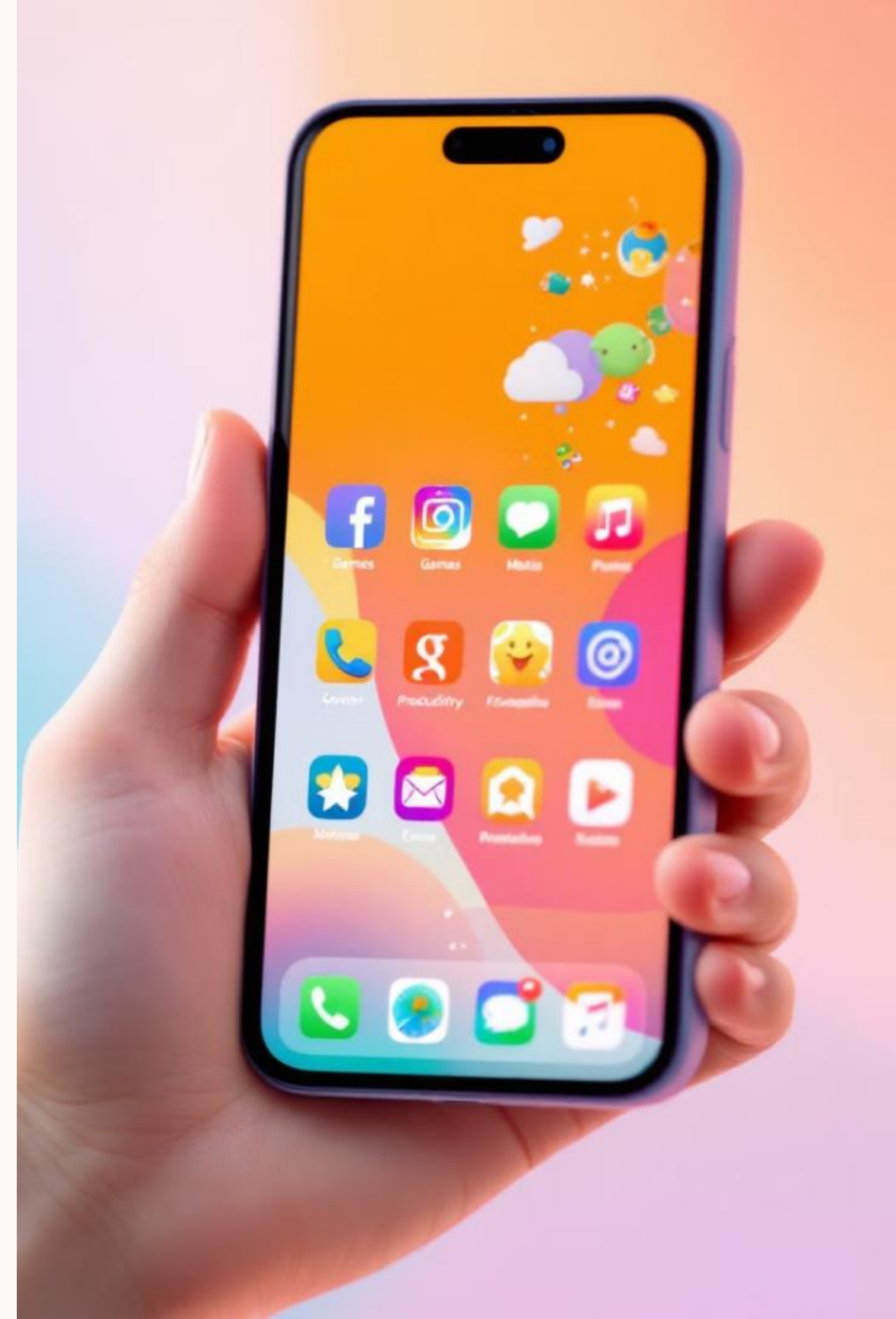
2

Domain Address and Linking

Students connect their website to a relevant domain name, and create create their professional emails with that domain.

3

User Feedback & Iteration

They onboard users, gather feedback and refine their app to improve its improve its functionality and address user needs.

Harnessing LinkedIn to Amplify Your Learning Journey #buildinpublic

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1

Build a Professional LinkedIn Profile

Create a compelling LinkedIn profile showcasing skills and experiences

2

Document Progress

Your LinkedIn profile becomes a portfolio of your journey, showcasing your progress and growth.

3

Receive Feedback and Attract

Posting updates allows to receive valuable feedback from peers and and experts, attract early adopters, boost your personal brand and inspire and inspire others.

*upon receiving permission from parents.

Generative AI App Development

This course equips your child with the skills and knowledge to build an innovative AI-powered web app, understand the complete product development cycle and open doors development cycle and open doors to exciting opportunities.

Next batch: starting January 2025. Reach out to us via

email: **academy@codeplab.com** or call/whatsapp: **+971569343268**

www.codeplab.com/academy