TERRALOGIC
ACADEMY

Elevate Your Career: Mastering Front-End Development

Class of 24'

HANDS-ON LEARNING · IN-PERSON ·

TERRALOGIC
ACADEMY

From Syntax to Solutions:
The art of code

In today's changing times, coding is an essential skill for anyone pursuing a career in the software industry.

From learning new things to developing products and services that solve problems, coding has become an essential part of the technology era.

We bring our experience from the industry to bridge the gap and propel you to new heights. With over 10 years of experience, our mentors will guide you to become an industry-ready programmer.

Join us and become an industry-ready programmer.

Meet your Mentors

The coding world is becoming more and more dynamic than ever.

Satyanarayana Murthy

Director – Engineering

With a 14–year tenure at Terralogic and Tech-savvy professional with a deep understanding of PHP, Perl, .NET, NodeJs, GoLang, Angular, and React. Experienced in architecting scalable microservices using REST APIs across fintech, edutech, e-commerce, and hospitality domains. Proficient in Agile methodologies and cloud-based (AWS, Azure) deployments for large-scale applications.

Sudheer Kumar

Senior Architect

With a 12–year tenure at Terralogic, I have cultivated a deep-rooted expertise in crafting web applications tailored to the unique demands of the transportation, construction, and education sectors. My skillset encompasses a comprehensive range of front-end technologies, including Angular, React, and Vue, and back-end proficiencies in Python, .NET, and PHP.

Accelerate your learning & shape your future.

Application based learning:

Real-time problem solving while learning technologies. Learn, apply & see how you can improve your logic & coding.

Offline class:

Building a strong sense of community and teamwork equips students for workplace collaboration.

Live lectures:

Attend live lectures to clear all your doubts and brainstorm with fellow students.

Coding is for you

As a passionate tech person, all you need is **curiosity,** a **problem-solving attitude**, and **critical thinking** to code.

Software Engineers

IT Professionals

UI Developers

Project Managers

Software Developers

Students & Freshers

Six Months of Learning

1st Month

Coding foundation

Everything from the Scratch. Learn and bolster your basic knowledge of coding.

2nd, 3rd, & 4th Month

Code & Test

Learn and challenge yourself for the next three months. Understand concepts, write code, create projects, test solutions, and collaborate with your team.

5th & 6th Month

Internship

Time to implement your skills in real–world projects – 5 & 6th Month. Implement your knowledge, and work under Terralogic guidance & experienced people.

Industry–supervised syllabus

Week 1

Logic Building/ Develop Critical Thinking

- Learn basics and advanced Javascript, & develop a systematic approach to code.
- Introduction to React JS.

Week 2

Advance your understanding

- Introduction to typescript and advance your understanding of them. Build upon your . JavaScript knowledge and explore advanced TypeScript features.

Week 3

Regular Expressions and ES Environment

- Master the art of pattern matching with regular expressions. Understand the intricacies of the JavaScript execution environment.
- An exam to test your knowledge and code flow.

Week 4

Features & Debugging

- Dive into the world of ES features to write concise and articulate code. Learn to identify issues, and troubleshoot them with debugging tools.
- Introduction to Ajax, a technique to create powerful and dynamic web pages.

Week 5

React and Angular

- Learn and understand the basics of React and Angular. Develop React project and Angular project setting.
- Introduction to Node and GIT end to end. Learn how to use and track changes in your coding.

Week 6

Components & Architecture

- Decipher the distinct methodologies of React and Angular in structuring and managing components.
- Learn about state management, and props, and understand how these building blocks come together to create dynamic user interfaces.

Week 7

Server communication & Routing

- Master the art of navigation within your application using routing techniques in Angular and React.
- Learn how to interact with backend systems, handle data fetching and errors, and implement authentication.

Week 8

Forms & validations

- Build complex forms and integrate them with backend services through hands-on projects.
- Understand the concept of services, dependency injection, and sharing data between components.
- Implement your learning in a mini-project.

Week 9

Deep dive

- Understanding Redux principles, actions, and reducers.
- Introduction to browser developer tools, Debugging JavaScript code & React Components.
- Apply learned concepts through practical exams and projects.

Week 10

Test & Learn

- Introduction to Unit Testing & Test-driven Development (TDD), understanding the difference between SSR & CSR.
- Learn HTTPClient requests, and responses and handle errors.
- Evaluate yourself with a practical exam.

Week 11

Integration and optimization

- Integrate your code with third-party applications. Understand and optimize the code.
- Understand browser behavior and identify bottlenecks for improvement.

Week 12

Project Initiation & Planning

- Understand requirements, and define clear goals, objectives, and scope of the project.
- Ask questions and prepare detailed documentation to finalize the project.
- Writing test cases upfront to guide development and ensure quality.

Week 13

Agile Fundamentals

- Understanding the core values and principles of Agile.
- Learning about Epics, Sprints, and Tasks as building blocks of Agile projects.
- Utilizing flowcharts to visualize project workflow and dependencies.

Week 14

Modularization and Architecture

- Breaking down the application into reusable components.
- Exploring the concept of micro frontends for large-scale applications.
- Defining the final output and measurable outcomes of the project.

Week 15

Execution Phase

- Implement the project plan, assess requirements, and update the plan according to need. Then focus on delivering the desired output.

Week 16

Project Closure & Delivery

- Complete tasks such as resource allocation, task management, quality assurance, risk mitigation, and effective communication.
- Submit after ensuring all project deliverables meet the specified requirements, and project documentation including reports, manuals, and knowledge transfer.

Week 17 to 24

Internship @ Terralogic

- Get hands-on experience working at the Terralogic office, Nellore. Work directly under Industry experts and understand the requirements of projects.
- The internship offers a wide range of work opportunities and a community to engage and learn. Upgrade your skills and work on feedback. Gain invaluable industry experience in 2 months of internship at Terralogic.
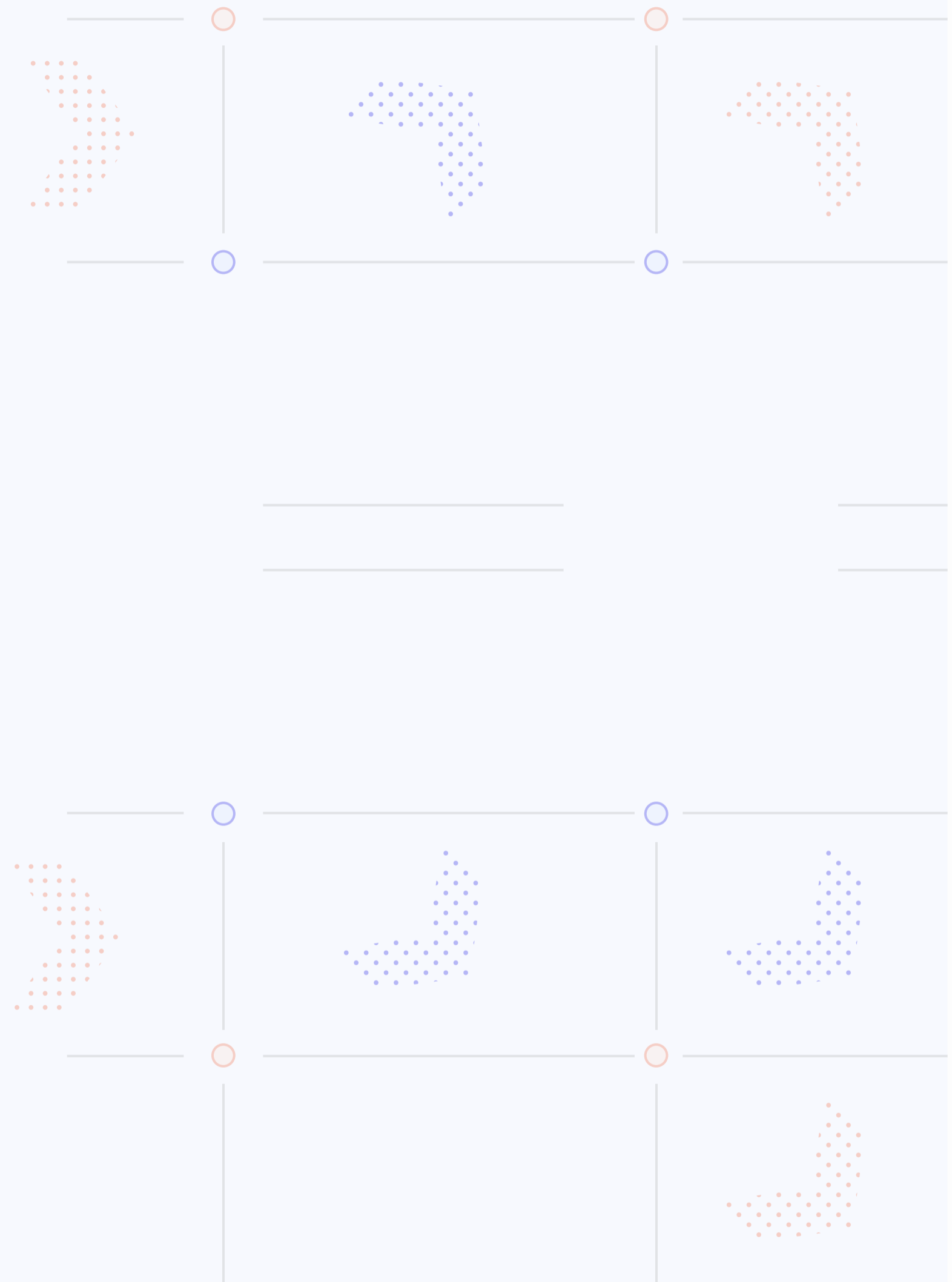
Location & Kick–off date

Nellore

Classes start in **August, 2024**

Plot 504, 1st Floor, Vineva Towers Kings Court Avenue, 2nd Cross Road, beside Cafe Coffee Day, Srihari Nagar, Magunta Layout, Nellore, Andhra Pradesh

₹92,000 ~~₹1,20,000~~

Inclusive of GST – Early Bird Offer

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Wanna Know More?

Write to us –

Contact Us ↗

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