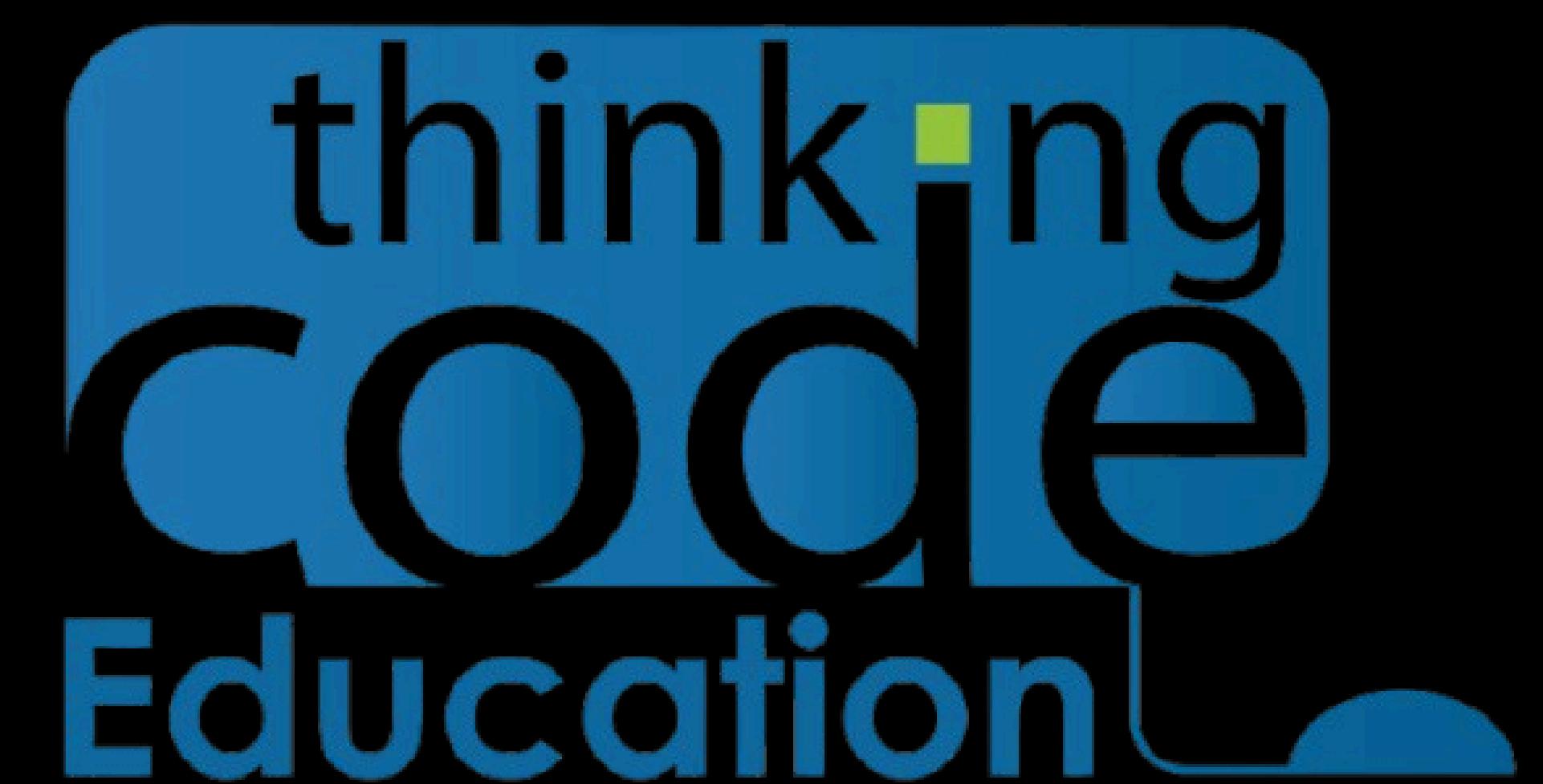


Java Full Stack Developer Course

A full representation of the Thinking Code Education playbook: this is where the transformation of a student to creator takes place



About us

We are a cutting-edge education provider based in Kochi, Kerala, India, specializing in Java, AI, and Machine Learning. Our unique approach goes beyond traditional learning, empowering students with real-world project experience, industry mentorship, and crucial soft skills.

Distinguished by our elite instructor cadre and a thriving learning community, we meticulously build skills from the ground up. Through hands-on, authentic industry projects, we ensure transparent outcomes and accelerated career pathways, culminating in verifiable credentials via QSEverse for global employer trust.

Our Vision

At Thinking Code Education, our ambition extends beyond traditional learning. We envision a fundamental transformation in how young minds engage with technology. We're not just preparing students for jobs; we're nurturing the next generation of innovators and leaders.

Our mission is to guide students on a journey where they evolve from curious "kids" to proficient "creators" and confident "professionals." This is achieved through a holistic approach that integrates foundational technical skills with real-world project application and crucial professional development, including ethics, communication, and industry etiquette.

We aim for a full-on change in their capabilities and mindset. We believe in empowering every student to build their future, make a tangible impact, and lead with confidence in the ever-evolving tech world.

The Thinking Code Education Advantage

Solid Foundation

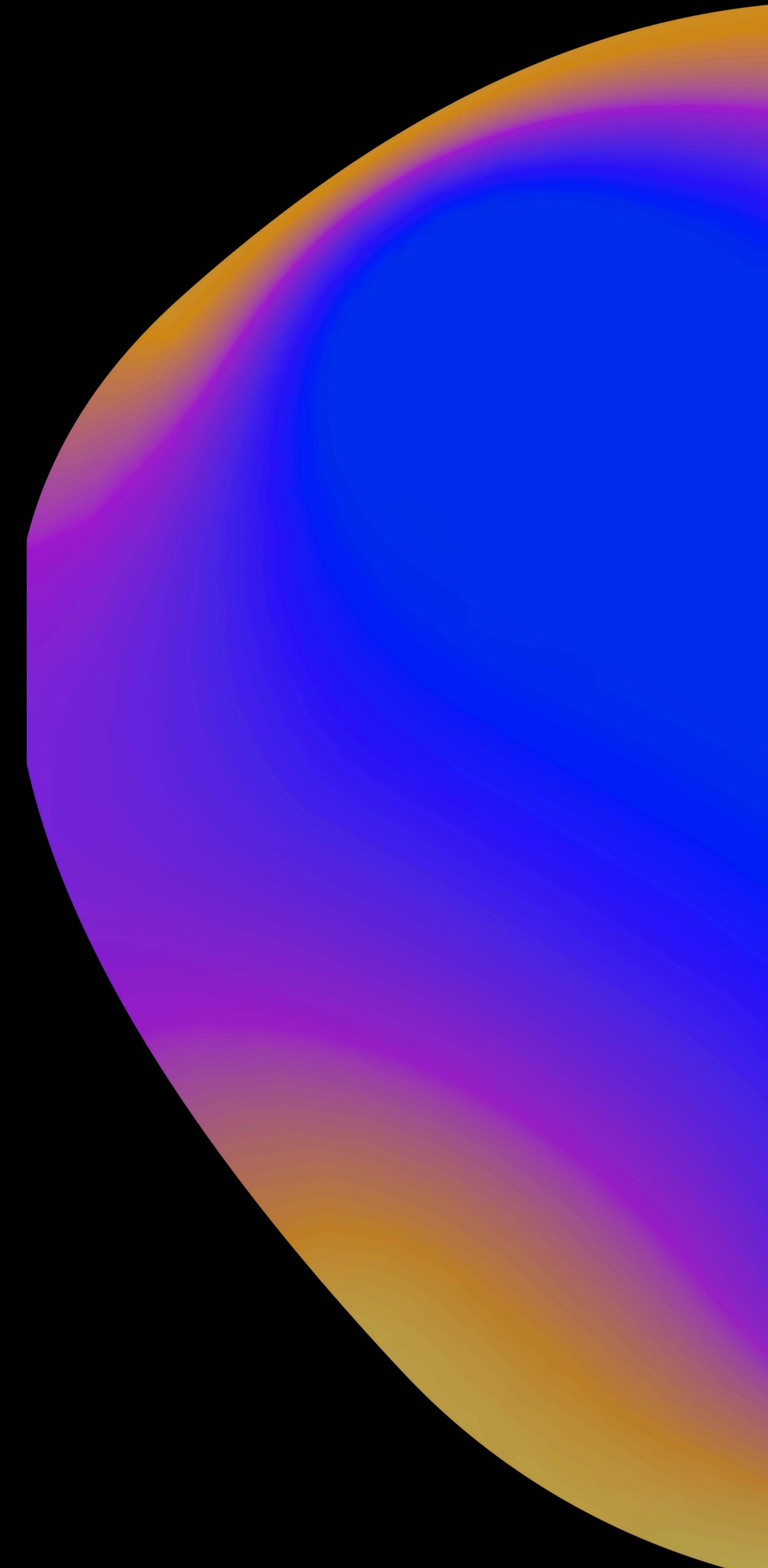
Our curriculum builds your knowledge from the ground up, providing a solid foundation in core concepts and best practices for sustainable growth and confident innovation.

Applied Innovation

Move beyond theory by solving real business problems on actual startup projects. This hands-on experience helps you master practical problem-solving while building your portfolio.

Industry Edge

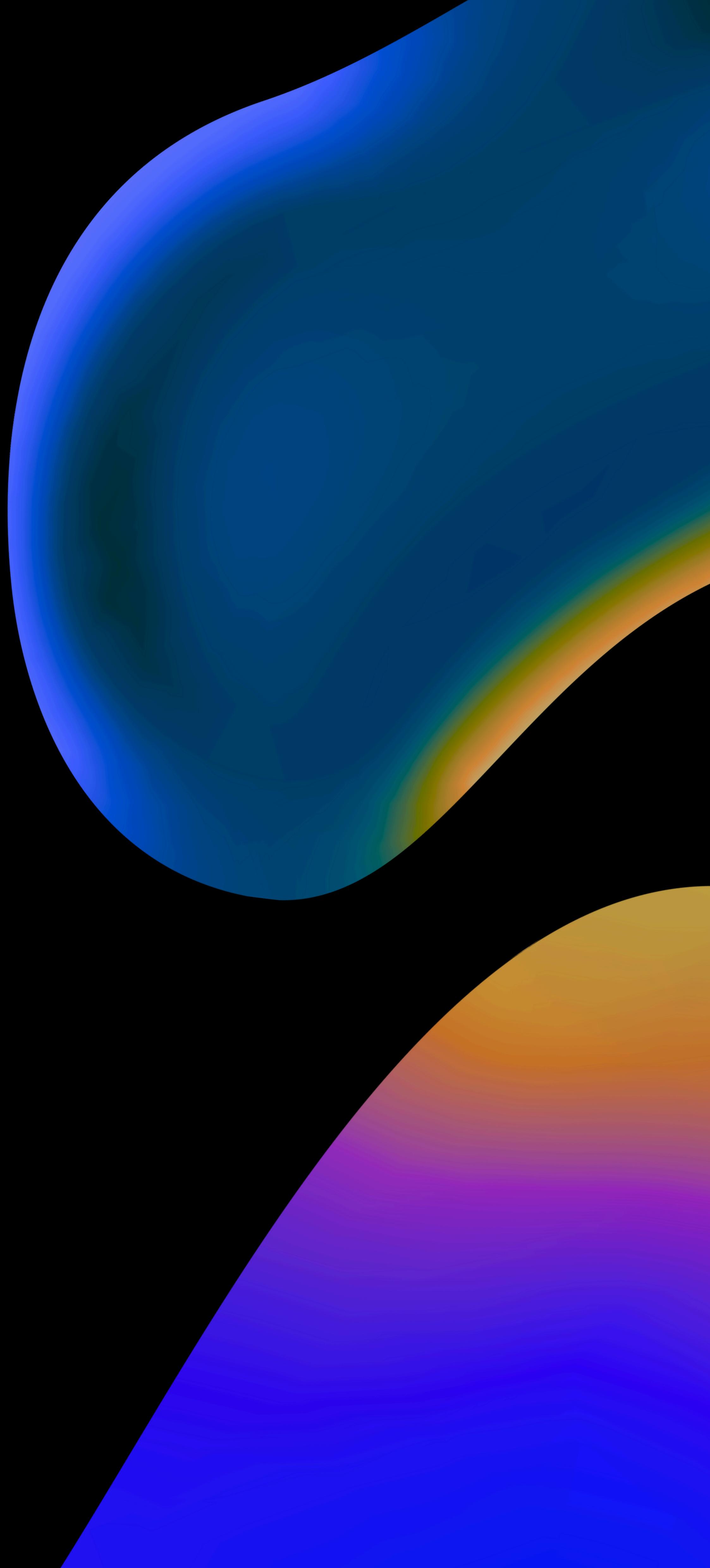
Learn beyond the classroom by engaging directly with industry leaders. Through regular Q&A sessions and workshops, you'll gain invaluable insights on career paths and trends, giving you a competitive edge.



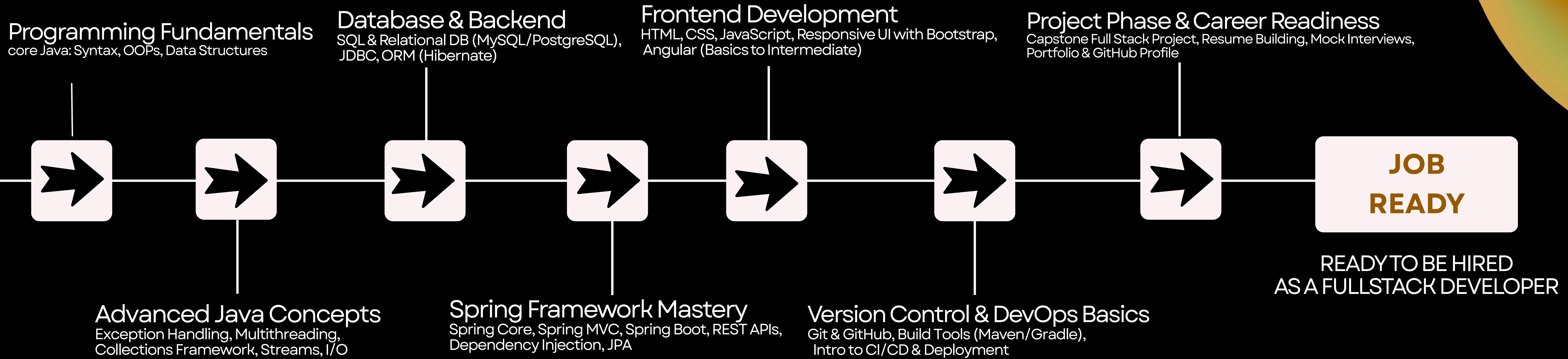
Our Mission

Helping creators Build Real-World Solutions

At Thinking Code Education, we don't just teach code; we cultivate creators. Our unique approach ensures you go beyond theory to build tangible solutions that make an impact. This transformation is rooted in our three core pillars: Solid Foundation, Applied Innovation, and Industry Edge.



Tech Stack



Java Full Stack Developer Course Plan

- Duration: 100 Days (Theory + Lab Practice)
- Focus Areas: Frontend, Backend, Database, Version Control
- Languages/Technologies: HTML, CSS, JavaScript, Angular, SQL, Java, Bootstrap, Git, JSP/Servlet, JDBC, Hibernate, Spring Boot
- Final Output: Deployed Full Stack Project with Version Control

Syllabus

01 HTML Basics + Structure
HTML Introduction, HTML Editors, HTML Basic, HTML Elements, HTML Attributes

02 Text & Content Formatting
HTML Headings, Paragraphs, HTML Styles, Formatting, HTML Quotations, Comments

03 Colors, Links, Media
HTML Colors, CSS (inline + internal, HTML Links, Images, Favicon, HTML Page Title

04 Advanced Structure
HTML Classes, ID, HTML Iframes, Layout

05 HTML Forms - Part 1
HTML Forms, Attributes, Elements

06 HTML Forms - Part 2
HTML Input Types & Attributes, Input Form Attributes

Syllabus

07

Graphics in HTML

HTML Graphics, Canvas, SVG

09

HTML Media Elements

HTML Media, Video, Audio, YouTube
Embeds

10

CSS Intro & Selectors

CSS HOME, Introduction, Syntax,
Comments
Selectors: Universal, Type, Class, ID,
Grouping

11

Text, Fonts, Colors

CSS Text, Fonts, Effects, Colors, Backgrounds,
Gradients

12

Box Model & Display

CSS Height/Width, Box Model, Box
Sizing, Outline, Max-width, Display

13

Links, Lists, Tables, Icons

CSS Links, Lists, Tables, Icons

Syllabus

14

Layout & Positioning

CSS Position, Z-index, Overflow, Float, Inline-block, Opacity

15

Pseudo-elements & Advanced Styling

Pseudo-classes, Pseudo-elements, @supports

16

Navigation & Dropdowns

CSS Navigation Bar, Dropdowns

17

Animations & Transforms

CSS 2D, 3D Transforms, Transitions, Animations

Bootstrap Basics: Cards, Forms, Navbar, Modals

18

Flexbox & Grid

Flexbox (Intro, Container, Items, Responsive)
Grid (Intro, Columns, Container, Items)

19

Bootstrap – Rapid UI Dev

Bootstrap Basics: Cards, Forms, Navbar, Modals

Syllabus

20

JS Basics

Introduction, Features, Syntax, HelloWorld, Comments, Operators

21

Variables & Data Types

Var, let, const, Data Types, Scope

22

Control Statements & Loops

if-else, switch, Loops: for, while, do-while, for...of, for...in, return

23

Functions

Declaration, Expression, Parameters, Default, Anonymous

24

Objects & Arrays

Objects, Arrays, Array Methods, Strings, Date, Math

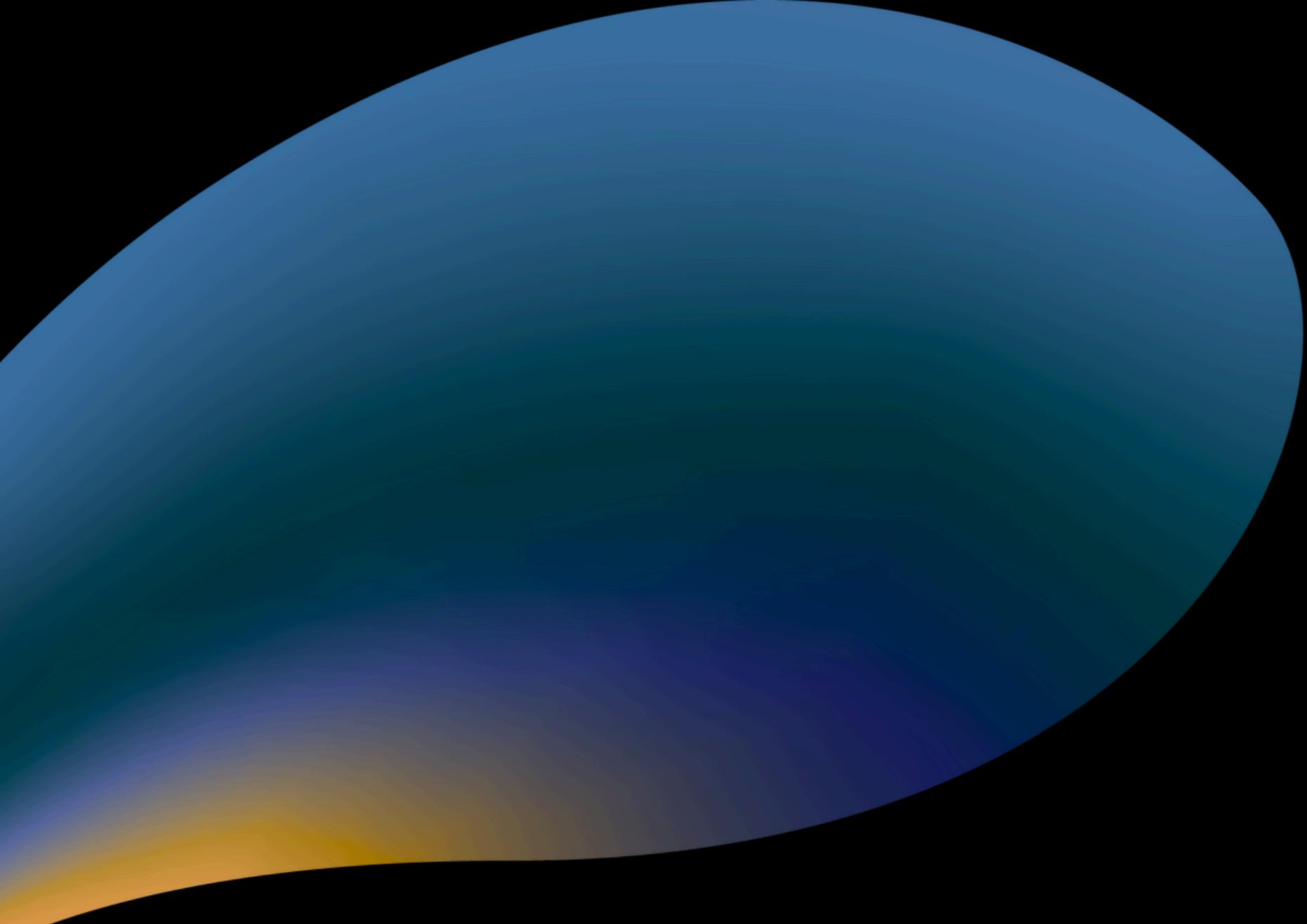
25

Advanced Functions

Arrow Functions, setTimeout, setInterval



Syllabus



26	DOM Manipulation getElementById, getElementsByClassName/Name/TagName, innerHTML vs innerText	29	Form Validation Basics, Email Validation
27	JSON JSON Overview, JSON Objects, parse, stringify	30	Cookies Intro, Setting, Deleting Cookies
28	BOM Window, History, Navigator, Screen	31	Events Overview, addEventListener, onclick, onload, onresize

Syllabus

32

Angular Intro & Setup
What is Angular?, Setup, Create App, Folder Structure

33

Components & Modules
Components, Modules, @NgModule, selector, templates

34

Data Binding
Interpolation, Property, Event, Two-way Binding, FormsModule

35

Directives
*ngIf, *ngFor, *ngSwitch, ngClass, ngStyle

36

Component Communication
@Input(), @Output(), EventEmitter, Services (Intro)

37

Services & Dependency Injection
Create/Inject Service, Singleton, Shared Logic

Syllabus

38

Routing & Navigation

Router Setup, RouterLink, RouterOutlet, Redirect

39

Route Params & Lazy Loading

ActivatedRoute, Lazy Loading, CanActivate

40

Template-Driven Forms

41

Reactive Forms

FormGroup, FormControl, Validators, Dynamic Controls

42

HTTP & API

HttpClientModule, GET/POST, Observables, Error Handling

43

Pipes & Lifecycle Hooks

Built-in Pipes, Custom Pipe, ngOnInit, ngOnDestroy

Syllabus

44

Styling & Animations

Bootstrap, Animations, Angular Material (Intro)

45

Build & Deployment

ng build, GitHub Pages/Netlify Deployment

46

SQL Introduction

SQL Syntax, Data Types, Operators

47

Database & Table Ops

CREATE, DROP, RENAME (DB & Table), TEMP Tables, ALTER TABLE

48

SELECT Variants

SELECT DISTINCT, COUNT, TOP, NULL, SUM, DATE

49

WHERE, AND, OR, WITH, AS

WHERE, Aliases, WITH clause

Syllabus

50

ORDER BY, HAVING
ORDER BY, ASC/DESC, LIMIT, HAVING

51

INSERT & UPDATE

INSERT single/multiple, UPDATE,
UPDATE JOIN

52

DELETE Ops

DELETE Rows/Tables, Duplicate
Deletion, DELETE JOIN

53

JOINS
INNER, LEFT, RIGHT, FULL, CROSS JOIN

54

SELECT Variants

SELECT DISTINCT, COUNT, TOP, NULL,
SUM, DATE

55

SQL Keys

Primary, Foreign, Composite, Unique,
Alternate

Syllabus

56

Java + MySQL Integration

JDBC Setup, CRUD, Transactions, Best Practices

57

Java Fundamentals

Syntax, Control Flow, Arrays, Methods, Type Casting, Mini Project

58

OOP in Java

Classes, Inheritance, Polymorphism, Abstraction, Encapsulation, OOP Project

59

Advanced Java

Exceptions, Threads, Collections, IO, Design Patterns

60

Java EE (Servlets/JSP)

Servlet Lifecycle, JSP, Sessions, MVC Pattern, Mini Web Project

61

Git & GitHub

Git Basics, Remote Repos, Branching, Merging, Collaboration, Git Flow Simulation

Syllabus

62

Hibernate & Spring Boot Intro
Hibernate CRUD with Annotations, Spring Boot REST
Intro

63

Final Capstone Project
Full Stack App using Angular + Java + SQL
•GitHub Hosting, README, Deployment, Team
Practices

64

English & Email Etiquette
Email usage in a company
WhatsApp and MS Teams etiquette

65

Ethics
Privacy, Honest, Confidentiality and
Trustworthiness

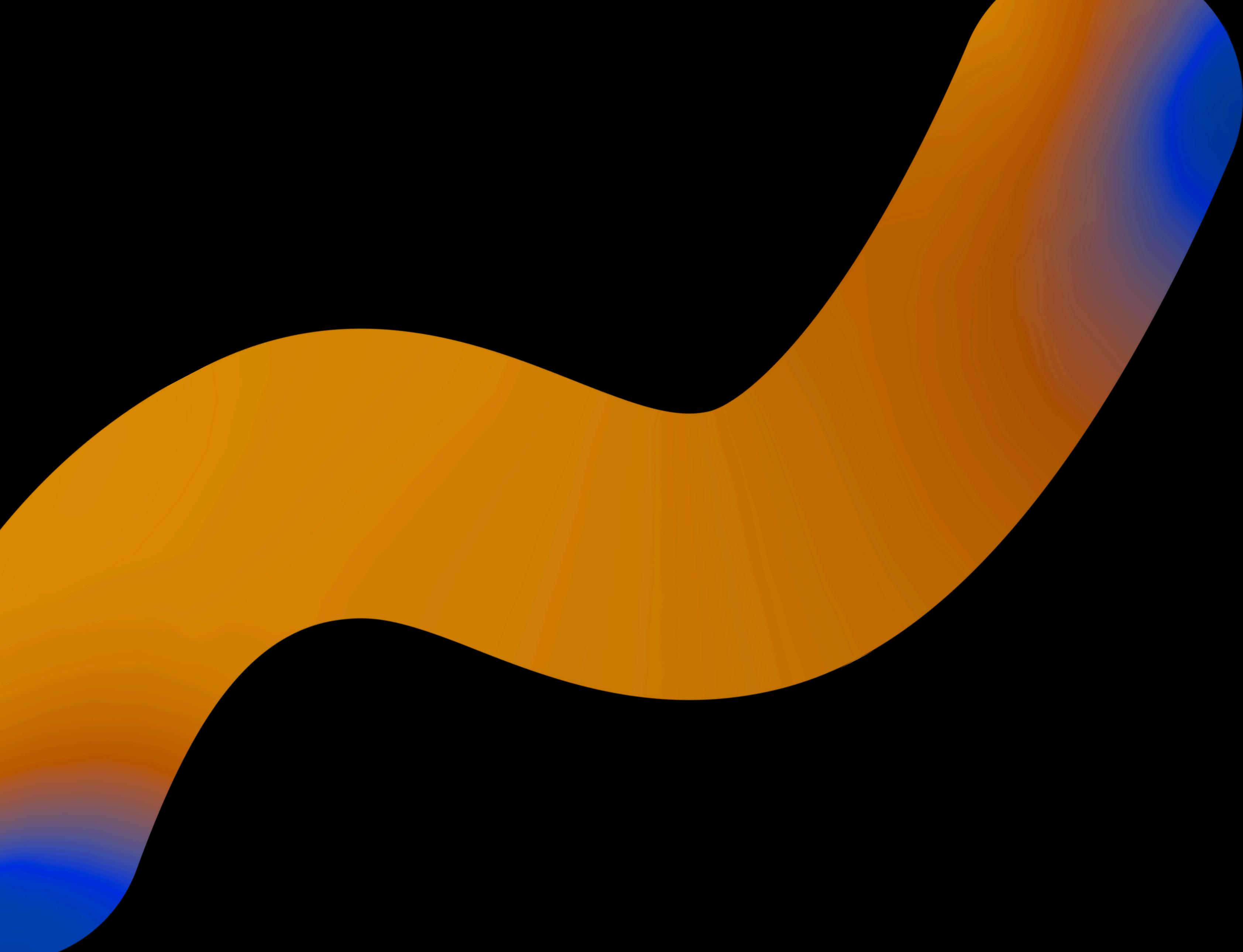
66

LinkedIn and Resume Building
Using LinkedIn for promoting your projects
and showcasing talent and Resume

67

Networking
Professionalism and networking in a
company

Real life project exposure



Our curriculum is designed to transform students into active problem-solvers, innovative thinkers, and impactful creators. Experience gamified learning, live coding challenges, peer reviews, and collaborative projects.

Work on live projects sourced directly from major startups. Gain invaluable practical experience and build a powerful, resume-boosting portfolio. Transition from theoretical knowledge to practical, impactful creation.

Students are immersed in real projects working with

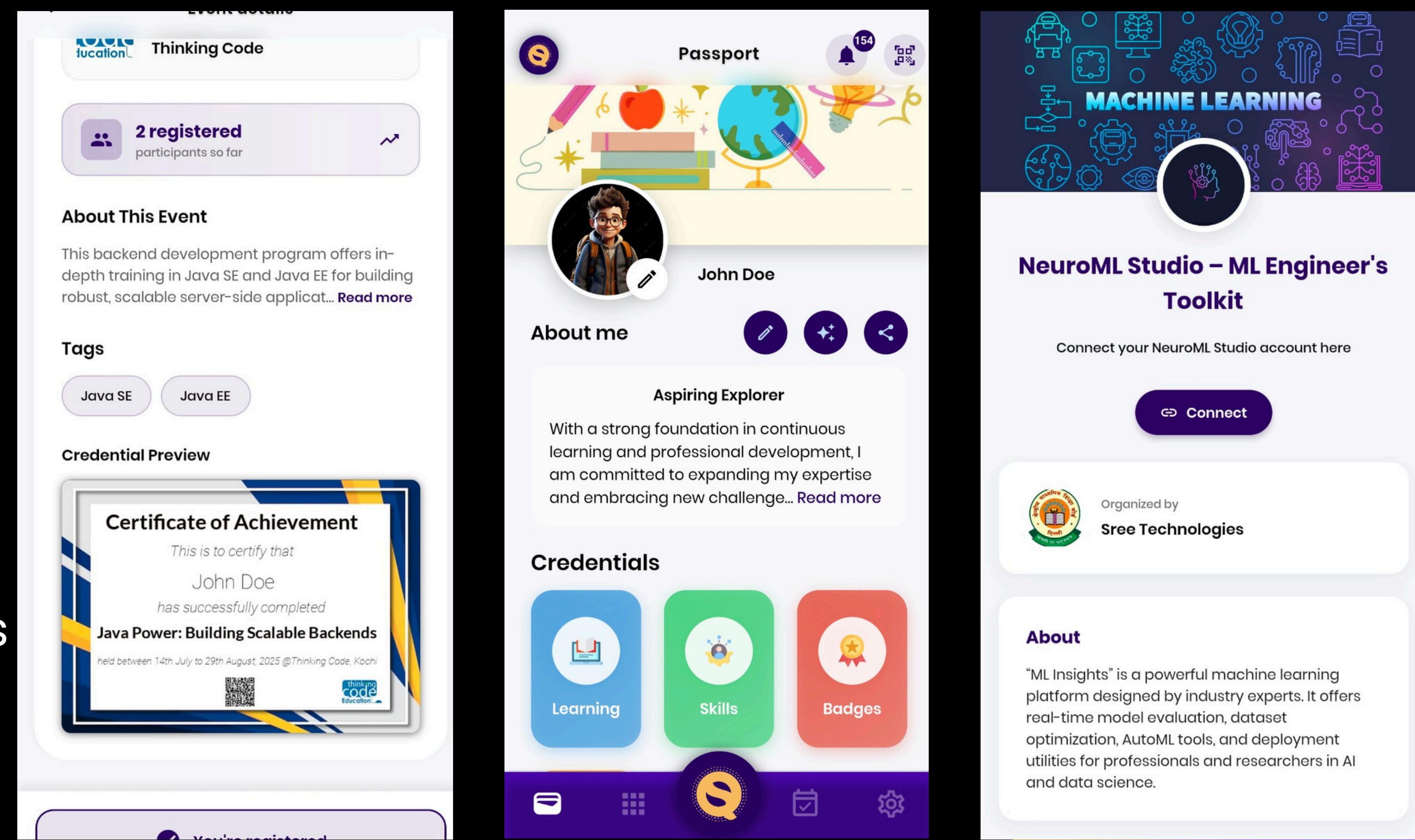
- Smart Task Manager
- Course Management & Assessment Portal
- Expense Splitter with Group Tracking,
- AI-Powered Resume Analyzer for Job Portals



Our Certificate Partner

Qseverse provides a cutting-edge decentralized framework for issuing verifiable credentials. These cryptographically secure digital certificates empower students with full control over their tamper-proof qualifications, enabling instant global verification by employers.

- Authenticity & Security:** QSEverse ensures unparalleled authenticity and security for qualifications, as digital certificates are cryptographically signed and tamper-proof.
- Student Control & Ownership:** Students gain full control over their earned credentials, empowering them with autonomy and privacy regarding who views their verified achievements.
- Instant Global Verification:** Employers worldwide can instantly and securely verify qualifications, streamlining the hiring process and enhancing the credibility of graduates.
- Exclusive Job Opportunities:** Partner companies provide exclusive job openings directly on the QSEverse app, creating unique career pathways accessible only to QSEverse members.



Our Pricing

Core Program

25999

Front-end Development

10999

Database Development

7999

Back-end Development

11999

+

Real Life Capstone Projects & Soft Skills

Connect with us on



Thinkingcode.education



Thinking Code Education



Thinking Code Education



www.thinkingcode.education



+91 7012916323