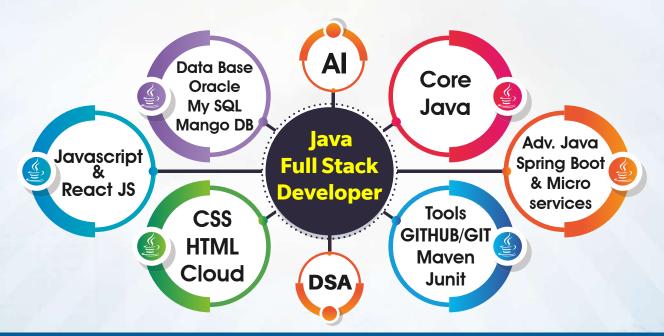


FULLSTACK JAVA

with React JS+AI+DSA+AWS









Recently Placed Students

Congratulations

NAME	PACKAGE	COMPANY
G Shravanth Reddh	7LPA	L&T Technologies
Goli Sushma	4.7 LPA	Codetru
Kavali Manasa	4.7 LPA	Codetru
K Venkatesh	4.7 LPA	Codetru
Maruthi Bathala	4LPA	STIC Soft
Amreen Fathima	4 LPA	Baclk Night
Samreen Fathima	4 LPA	Baclk Night
Sai Kamal	4 LPA	Cognizant
K Rithik Sai	3.6LPA	Bridge Soft Solution
V Naga Mounika	3.6LPA	ERP Direct Solution
Ch Vamshi	3.5 LPA	Eurasian
Kanuri Bhavani	3.5 LPA	Eurasian
Asif Khan	3 LPA	Fusion Tech Partners
P Lakshmaiah	3 LPA	Fusion Tech Partners
Bala Subrahmanyam	3LPA	Bridge Soft Solution
B Nikhitha	3LPA	New Day India
Balla Pavan	3LPA	New Day India
Ch Sai Teja	3LPA	New Day India
Kavya Sri	3LPA	New Day India
Srihari	3LPA	New Day India
D V D Sri Charan	3LPA	Appolo Dart
V Aravind	3LPA	Appolo Dart
G Manasa	3LPA	Appolo Dart
M.sai Teja	3LPA	Seguro Soft
K Ravi Kumar	3LPA	Seguro Soft
M Chandana	3 LPA	Solix
Shaik Farooq	3 LPA	Fusion Tech Partners
Tirumalasetti Pavan Sai	3 LPA	Fusion Tech Partners
K Mohana Surya Vamsi	3 LPA	Fusion Tech Partners

NAME	PACKAGE	COMPANY
R.venkata Lakshmi Devi	3 LPA	Fusion Tech Partners
Md Rahmath Hussain	3 LPA	Win IT
Biswajith	3 LPA	Appolo Health Care
G.bhavana	3 LPA	Aureus
Abdul Rafeeq	3 LPA	Aureus
Danish Ali	3 LPA	ACHYUTHS SOFT
Somisetti Jyothinath	2.9LPA	Suti Soft Solutions
Aduvala Harineesh	2.9LPA	Suti Soft Solutions
Govindula Rakshitha	2.9LPA	Suti Soft Solutions
S Reddy Seelam	2.9LPA	Suti Soft Solutions
B.abhinaya	2.9LPA	Suti Soft Solutions
G Dhanush Kumar	2.9LPA	Suti Soft Solutions
Srujan Lingala	2.4 LPA	Varsun e Tech
R Vishalilaxmi	2.4 LPA	Varsun e Tech
Sd Azeez	2.4 LPA	Varsun e Tech
Ankit Kumar	2.4 LPA	Terainium
Esam Akhil	2.4 PLA	Varsun e Tech
Mahesh Kandgule	2.4 PLA	Varsun e Tech
Syed Rahimthunnisa	2.4 PLA	Varsun e Tech
S Anil Kumar	2 LPA	Zenardy
A Maneesha	2 LPA	Zenardy
A.harika	2 LPA	Inno Apps
Sameer Khan	2 LPA	Inno Apps
Rajeshwari	2 LPA	Inno Apps
A Maneesha	2 LPA	Inno Apps
Anil Kumar	2 LPA	Inno Apps
E Rajeshwari	2 LPA	Inno Apps
R Pavani	2 LPA	Inno Apps
Bodepalli Jyothi	1.8 LPA	Inno Apps

Offered Programs



TRAINING (Online / Offline)

- 1. Any Graduate
- 2. By Realtime Experts
- 3. Live Project
- 4. Resume Preparation
- 5. Course Completion Certificate
- 6. 1 to 2Hr. per a Day (4Months)
- 7. Online / Offline
- 8. Backup videos for 6months

Price - 30K+18%GST



(JOIP) INTENSIVE

- 1. Any Graduate
- 2. By Realtime Experts
- 3. Weekly Mock Interviews
- 4. Resume Preparation
- 5. Up to 3 Live Projects
- 6. 6 8 Hrs Daily Training 4Months
- 7. Offline / Online
- 8. Training Completion Certificate
- 9. Backup videos for 6mnths
- 10. Placement Assistance for 6months

Price 35K + 25K (Placement)+18%GST



| Ial (Intensive & Internship)

- 1. Any Graduate
- 2. Must attend Mock Test
- 3. By Realtime Experts
- 4. 4Hrs.-Training & 4Hrs.- Internship
- 5. Live Project work assign by IT Staff
- 6. Online / Offline
- 7. Internship Completion Certificate
- 8. 8-10Hrs Daily
- 9. Backup videos for 12mnths
- 10. Placement Assistance for 12months

Price - 75K+18%GST





JAVA Internship Execution @RamanaSoft

RamanaSoft Joining Document Requirements
Degree/PG Certificates 2 Copies
Inter Memo 2 Copies
SSC Memo 2 Copies
Adar Card 2 Copies
Pan card 2 Copies
3 Passport Sizes photos (Colour)

Company Details: Ramana Soft

Project Process





Activity_Id	Activity / Process	Owner
1	Business Grooming	Business Analyst / Java Tech Lead
2	Functional Walk-through	Java Developer / QA Lead
3	Make them write Code	Java Developer
4	Execute Java Coding (Unit Testing & Build)	Java Developer
5	Send to Tester to Test the Code	Java Developer
6	Jira (Ticket Updates & Tracking)	Java Developer / QA
7	Deployment (Dev / QA / UAT / Prod)	DevOps Engineer / Java Tech Lead
8	Regression Testing	QA / Testing Team
9	SDLC Models - Agile Methodology	Project Manager / Scrum Master
10	Project Management Tools - JIRA	Scrum Master / Project Coordinator

Tools

⇒ Outlook ⇒ Slack ⇒ JIRA a DB

Meetings

- ⇒ Daily Scrum Meetings
- ⇒ Sprint Planning
- ⇒ Sprint Retrospective
- ⇒ Sprint Review Meeting
- ⇒ Project Domain:
- ⇒ Banking, Insurance, Health Care, Retail, Ecommerce, IOT, AI/ML, Gaming, Travel





iHub Talents Core and advanced Java course is aligned to Industry standards developed by leading Java Experts. This course aims to make you master all the Core and Advanced level skills in the Java and various technologies involved in the field of Java



COURSE DURATION 150DAYS

SESSION HOURS
450 HOURS

KEY HIGHLIGHTS

- Institute backed by strong IIT alumina Team
- → More than 10,000 + success stories created
- 7 Partnered and serving 100+ clients right from the inception of the firm
- 7 Parent company Quality Thought No #1 providing placements since 2010
- 7 Experienced IT Architects, subject matter experts as advisory in the board
- Guaranteed Internship Opportunity (3 to 6Months) for every participant
- 7 Backed by strong Internal human resource team enabling quick placements
- 7 Special guidance to students to win jobs with highest packages

TRAINING HIGHLIGHTS

- Industry ready course roaster designed by architects and subject matter experts
- 7 Proven content, creating gateway to world of Job opportunities
- Practical & detailed approach, everyone can understand and perform to excel
- Subject matter experts as trainers
- Not just learning, Learn by doing methodology
- Access to Instant recorded live Class videos shared
- 7 Personalized attention and guidance to accelerate the learning
- Member access to private group to get instant doubt clarifications
- 7 Guest lectures from leading MNC Companies







Core Java

a) Basic Introduction of Java

- Programming Language
- 7 Modules In Java
- 7 History of Java
- Internal Architecture of JVM
- Naming Conventions
- Identifiers
- Reserved Words
- Data-types
- 7 Types of variables
- var-arg method
- 7 Main method
- ¬ System.out.println()
- Command line arguments
- ⊿ Java Source File Structure
- 7 Types of Blocks in Java
- Fully Qualified Name
- → Import Statements
- 7 Control-Statements.
- Arrays.

b) **00PS**

- **⊅** class
- ∂ object
- Data Hiding
- Abstraction
- 7 Encapsulation
- A Has-A relationship
- Types of inheritance
- Method Overloading
- Method Overriding
- Method Hiding
- 7 Polymorphism
- 7 Constructors
- 7 this keyword
- ⊿ super keyword
- ☐ Interfaces
- → Abstract classes
- Wrapper classes
- 7 What is API?
- 7 Packages
- 7 Enum
- Inner classes
- → String
- → StringBuffer
- → StringBuilder
- → StringTokenizer

c) Exception Handling

- **7** Types of Terminations
- Z Exceptions Hierarchies
- 7 catch block
- throw statement
- → throws statement
- custom exceptions in java

d) java.io package

- 7 File
- 7 FileWriter
- → FileReader
- BufferedWriter
- BufferedReader
- PrintWriter
- 7 Various ways to provide inputs

e) Collections

- → What is Collection?
- Z List interface
- Map interface

f) Multi-Threading

- ☐ Thread vs Process
- 7 Multi-Tasking
- Multi-Threading
- Ways to start a thread in java
- Setting and Getting name of a thread
- → Thread priority
- → Various methods to prevent a thread from execution
- Daemon Thread
- Synchronization
- → Types of synchronization
- ☐ Inter-Thread communication
- DeadLock in Java

g) Java 1.8 Features

- → Functional Interface
- Z Lamda Expression
- **↗** java.time package
- default and static methods in interface
- **↗** Stream API





Oracle

a) SQL

- → Tables, DBMS, RDBMS
- 7 DDL commands
- DML commands
- 7 DRL commands
- 7 DRL commands with where clause
- 7 TCL commands
- 7 DCL commands
- Operators in SQL
- □ Group by , Having and order by clause
- → Integrity constraints
- → Types of constraints
- 7 Joins
- → Sequences
- ⊅ Synonyms
- 7 Pseudo columns
- **⊿** Indexes

b) PL/SQL

- 7 Control statements in PL/SQL
- ⊅ LOOPS in PL/SQL
- DML operations in PL/SQL
- DRL operations on PL/SQL
- **尽 Table 1 ★ Table 2 ★ Table 3 ★ Table 3 ★ Table 3 ★ Table 4 ★ Table 4**
- 7 Cursors
- Procedures
- 7 Functions
- → Packages
- → Triggers





Advanced Java

a) JDBC

- 对 JDBC Drivers Architectures
- → Files vs Database
- 7 Connection object
- 7 Types of Statement objects
- → Types ResultSet objects
- Non-select query executions
- Morking with Date values
- Working with LOB values
- → DatabaseMetadata
- → ResultSetMetaData
- Batch Processing
- Transaction Management

b) Servlets

- → What is web application?
- Mhat is web resource program?
- What is web container?
- Sample web application creation
- → Types of url patterns
- MIME Types
- → Types of Communications
- Servlet Filters
- Servlet Life cycle methods
- → ServletConfig object
- → ServletContext object
- → Stateless Behavior of web application
- Session Tracking

c) JSP

- Introduction to JSP
- ⊿ JSP life cycle
- **7** JSP Tags
- JSP to Database communication
- 7 JSP to Java Bean communication
- ⊿ JSP implicit objects
- JDBC Connection pooling
- □ JSP MVC Architecture
- Working with IDE's

d) Servers

- 7 Tomcat Server
- 7 Web Logic Server







- e) IDE's
 - → Eclipse
 - → NetBeans
- f) Real tools
 - □ GIT/GITHUB
 - Maven/Gradle
 - **7** Junit
- g) SDLC
 - 7 What is SDLC
 - → Types of phases in SDLC
- h) Project
 - 7 Module 1
 - 7 Module 2

Java Framework

Spring Boot

- a) Introduction
 - → Spring vs Spring Boot
 - → Spring Modules overview
 - → Spring MVC architecture
 - What is Spring Boot
 - **↗** Advantages of Spring Boot
 - → Spring Boot Architecture
 - **↗** Spring Boot Application using Initializr
 - **↗** Spring Boot Application using STS IDE.
 - → Spring Boot Annotations
 - Properties file vs YAML file
 - → Spring Boot starters
 - Spring MVC Application

b) Spring Data JPA

- Introduction
- Features of spring data JPA
- Morking with H2 database
- Morking with MySQL database
- 7 Project Lombok
- CURD operations
- **↗** Exception Handling in Spring Boot
- → RestTemplate
- → WebClient
- 7 Flyway Database Migration
- → Spring Boot Caching
- **↗** Swagger
- → Spring Boot Actuators
- → Spring Security
- Authentication
- Authorization



Spring Data JPA MongoDB Expressions







Spring Micro-Services

a) Introduction

- Monolithic Architecture
- Micro Service Architecture
- 7 Creating micro services using spring boot
- Micro service communication
- Spring Cloud API Gateway
- Service Registery (Eureka Server)
- 7 Hystrix in microservices
- **↗** Loading Balancing using Ribbon.
- Zipkin and Slueth
- 7 CloudConfig

b) IDE's

- → Spring Tool Suit (STS)
- ⊅ Intellij

c) **Embedded Servers**

- → Tomcat, Jetty, Undertow
- d) Embedded Databases
 - 71 H2, HSQL, Derby
- e) Tools
 - **7 POST MAN**



WEB DEVELOPMENT

HTML-5

a) Introduction

- 7 What is HTML5?
- → Types of Browsers?
- 7 Types of Search Engines?
- → What is Web site?
- → What web page?
- → Simple HTML skeleton program
- 7 Comments in Java
- 7 HTML5 Meta Tags
- 7 HTML Basic Tags
- Phrase Tags in Html5
- 7 HTML Colors
- → HTML Images
- 7 HTML Hyperlinks
- **7** List in HTML
- 7 HTML Tables

- Block Elements vs Inline Elements
- 7 HTML forms
- 7 GET vs POST methodology
- 7 HTML datalist Tag
- **⊅** Frames
- 7 HTML Audio
- 7 HTML Video
- 7 Graphics in HTML
- 7 HTML Layouts

b) Editors

- → NotePad
- 7 NotePad++





CSS-3

a) Introduction

- 7 What is CSS?
- Types of CSS?
- CSS background property
- **7** CSS borders
- CSS margins
- CSS paddings
- 7 CSS ID selector
- CSS Class selector
- CSS Height and Width
- CSS overflow property
- → CSS border-radius property
- □ CSS box-shadow property
- CSS float property
- CSS List property
- → CSS tables
- CSS display property
- CSS transform property
- CSS transition property
- □ CSS position property

b) CSS Design Work

- 7 CSS Design 1
- 7 CSS Design 2
- 7 CSS Design 3

c) Editors

JavaScript

a) Introduction

- → Features of JavaScript
- Types of JavaScript
- 7 Output statements in JavaScript
- → JavaScript Engine
- JavaScript Comments
- JavaScript variables
- 对 JavaScript LOOPS
- → JavaScript Functions
- → BOM (Browser Object Model)
- DOM (Document Object Model)
- JavaScript Date objects
- JavaScript Form Validation
- JavaScript Events
- JavaScript Regular Expression

b) Editor

VSC (Visual Studio Code)

c) Task

- 7 Task 1
- 7 Task 2
- 7 Task 3

Bootstrap-4

a) Introduction

- 7 What is Bootstrap
- Advantages of Bootstrap
- Bootstrap colors
- → Bootstrap borders
- Bootstrap backgrounds
- → Bootstrap border-radius
- Bootstrap sizing
- Bootstrap spacing
- → Bootstrap Margin
- Bootstrap Containers
- Bootstrap Grid System
- → Bootstrap Tables
- → Bootstrap Images
- → Bootstrap Jumbotron
- Bootstrap Alerts
- Bootstrap Progress Bar
- Bootstrap Pagination
- Bootstrap List Groups
- Bootstrap Collapse plugin
- → Bootstrap Glyphicons
- Bootstrap navbar
- → Bootstrap Form layouts
- → Bootstrap Carousel

b) **Designs**

- **7** Designs 1
- → Designs 2
- → Designs 3





React / ReactJS

- 1.React Introduction
- 2.Advantages of React
- 3.JSX Introduction
- 4.Expressions in JSX
- 5.JSX elements
- 6.React virtual DOM
- 7. First application development in react
- 8. React project structure explanation
- 9.React Fragment
- 10.Components in React
- 11. Function component vs Class component
- 12.Props
- 13.State
- 14. Composing component
- 15.CSS in React
- 16. Type checking in props
- 17.ReactJS vs React Native
- 18. ReactJS vs AngularJS
- 19.Event Handing in React
- 20. Update state using event handling
- 21. Phases of components in react
- 22.Life cycle methods in react
- 23. Hooks introduction
- 24.Predefined hooks
- 25.Custom hooks
- 26.React Router
- 27.Lists in React
- 28.Key in React
- 29. Assets in React
- 30.Bootstrap in React
- 31.React Forms
- 32.Axios
- 33.ReactJS + NodeJS + MYSQL database integration

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React Redux





AWS-Amazon Web Services

- 1. Types of Applications
- 2. PC vs Server
- 3. Need of Cloud Infrastructure
- 4. What is Cloud Computing
- 5. What is AWS? And Why to choose AWS
- 6. How to create an account in AWS
- 7. What an Operating System and its types
- 8. Importance of Linux in Cloud Environment
- 9. How to create a Linux server in AWS
- 10. Putty vs Xshell
- 11. AWS EC2 Instance
- 12. Types of instances in AWS
- 13.AWS Tenancy
- 14.AWS Launch Template
- 15.AWS EBS volumes
- 16. Need of Elastic IP Address
- 17.AWS RDS service for JDBC Application?
- 18. How to deploy web application in AWS Elastic Bean Stalk
- 19.AWS S3 service
- 20. How to deploy spring boot application in AWS Cloud





Artificial Intelligence (AI) with open AI (Tools) & NLP & Data Structures & Algorithms

- ► Applications of Al
- ► History of Al
- ► Types of Al
- ► Future of Al
- ► Type of Agents
 - A. Intelligent Agent
 - B. Agent Environment
 - C. Turning Test in Al

Problem Solving in Al

- ► Search Algorithm
- ► Uninformed Search Algorithm
- ► informant Search
- ► Algorithm Hill climbing Algorithm
- ► Mean End Analy

Adversarial Search

- ► Adversarial Search
- ► Minimax Algorithm
- ► Alpha-Bete Pruning

Know ledge Represent

- ► Knowledge based Agent
- ► Knowledge Representation
- ► Propositional Logic
- ► Rule of Inference
- ► First Order-logic

Uncertain Knowledge R

- ▶ Probabilistic Reasoning in Al
- ► Bayes Theorem in Al
- ► Bayesian Belief Network

Unification in FOL

- ► Resolution in FOL
- ► Forward Chaining and Backward Chaining
- ► Backward Chaining and Forward Chaining
- Reasoning in Al
- ► Inductive vs Deductive sing





| Al (Artificial Intelligence)

- ► Example of Al
- ► Al Essay
- ► Al in Healthcare
- ► Al in Education
- ► Al in Agriculture
- ► Al in Engineering Applications
- ► Al and Robotics
- Scope of Al
- ► Agent of Al
- ► Al in Stock
- ► Al as services
- ► A in Banking
- ► Cognative Al
- ► Al in Automotive Industry
- ► Al in Manufacturing Industry
- ► Al in Civil Engineering
- ► Al in Gaming Industry
- ► AI HR
- ► Al in Medicine
- ► Al in Marketing

Chat Completion

Embedding

Text to Image

Audio Transcription

Text to Speech

Moderation

I DSA (Data Structure & Algorithm

- ► Instruction to Data Structure
- ► Algorithms
- ► Performance Analysis
- ► Asymptotic Notations
- ▶ Arrays
- ▶ Structures
- ► Pointers
- ▶ Dynamic Memory allocation
- ► Stocks Implementation
- ► Stock Implementation using pointer (dynamic)
- ▶ Queues
- ► Double Ended queue (Deques)



CRT, VERBAL & SOFT SKILLS



Aptitude	Reasoning	Verbal(English)
Number system (Divisibility ,LCM &HCF,Decimal Fraction,Power)	Statement & Conclusion	Reading Comprehension
Time &work	Coding & Decoding	Article ,preposition
Speed & Distance	Seating Arrangement (Linear and Circular)	Direct &Indirect speech
Profit and Loss	Analogy pattern (Word and Number)	Active and Passive
SI and CI(Interest)	Odd man out & Number series	Tenses
Permutation and combination	Distance and Direction	Vocab - Synonym and Antonym (On a daily basis)
Probability	Logical word Sequence	Spelling Test
Percentages	Blood Relation	Idioms and Phrases
Averages	Symbols and Notations	Spotting Error
Ratio and Proportion	Rank based Logic	Fill in the blanks
Coordinate and Quadratic Equations	Data Sufficiency	Sentence Improvement And Sentence Completion
A.P and G.P	DI (Pie and Bar graph)	Parajumble Sentence
Allegations and Mixture	Miscellaneous topics (if any)	Word Substitution
Boats and Streams Area &Perimeter		Modal Auxiliary verbs
Miscellaneous topics (Ages , clock & Calendar,Geometry)		Miscellaneous topics (Verbs,Conjunction)
DI (Data Intrepretation		



Note: Common Syllabus for Cocubes , Elitmus , AMCAT & TCS NQT & for all other MNC companies

Soft Skills Based On LSRW Rule

Grammar sessions

- ⊆ Pronoun
- □ Tense(With practical Approach)
- **←** Article
- □ Preposition
- **⊆** Conjunction
- ¬ "Wh"Questions
- □ Active and Passive Voice

Communication Skills

(Based on Scientific Proven Techniques)

- □ Ice -Breaking session
- ☐ Ted talks (first by Indians followed) by foreigners) - Listening
- General Introduction sessions (to overcome stage fear)
- Story telling (By using V2 method) and with Visualization method)
- JAM
- Group Discussion (GD)
- □ Debate
- □ Presentation skills (corporate style)

Interview Skills

- □ Drafting a professional Resume
- □ Interview orientation
- □ Personality Development
- □ HR Questions and Unique Answers to it
- □ Dress code and Behavioral Etiquette
- □ Things to be done one day before and One
- hour before an Interview

Professional Skills and Additional

- □ Drafting an Email
- → Business English (Corporate English)
- □ Team Building
- □ LinkedIn Profiling

Note

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Most of the session will be Activity based Time line to complete the course successfully and Execute the Result.

- □ Approx Time 2 months
- ⊆ Everyday 1hour 30 minutes





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