

JAVA Full Stack Development



Job Guarantee program

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ABOUT US

Uncodemy is one among a couple of driving organizations / in Delhi, Noida, NCR, India that give undeniable preparation in Data Science, Machine learning, Python programming, Tableau, - Deep Learning, and Artificial Intelligence. We at the collegetarget producing quality experts who can withstand the developing contest and rising intricacies in the innovative world. We are growing and leading the company of Delhi, Noida, NCR, India.

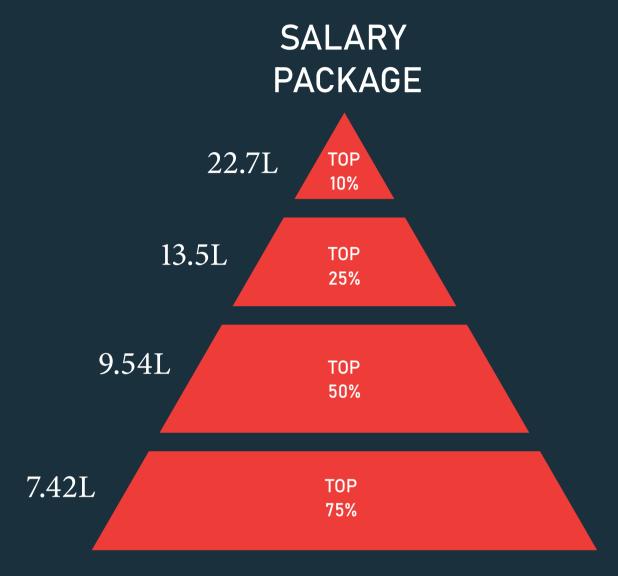
THE UNCODEMY

Is an Educational and Professional improvement Organization that has been established to propel the product and ITcalling by advancing and perceiving demonstrable skill through training, counselling, gatherings and accreditation. Our Professional Dedicated Team guarantees to give you the best of specialization courses underdisciplines like Data Science Machine Learning, Data Mining, Tableau, Text Mining, ReactJS, NodeJS, Angular, Python Programming, Deep Learning, and Java, network protection, programming testing, CloudTechnology, Digital advertising and a lot more with an emphasis ontrustworthiness and on the web and Offline learning. We're attempting to transform our enthusiasm for IT Software Training Platform into athriving position and occupation situated in the preparing stage withoutany hesitation at work.

Our aim is simple: We strive to createhigh-impact, hands-on experiencesthat prepare learners for meaningfuland productive careers.

Warm Regards, Founder Uncodemy

CAREERS IN JAVA FULL STACK DEVELOPMENT



The results of a Java Full Stack Development job tracked a database engineers to review so they can fix the defect. There are times when the position can seem monotonous, but the focus of your work will constantly change to different aspects of the program, alleviating some of the repetition. You also get an early look at the latest in technology and have a hand in making sure that a program is as defect free as possible. Finally, with Development being an area that will always grow, Development have one of the most secure jobs in the tech industry.

Why Should You Choose UnCodemy?



Top MNCs

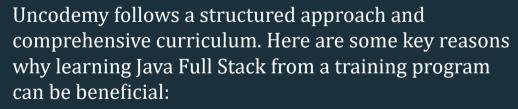
Uncodemy partners with top-tier companies to ensure that its students receive instruction from industry experts with hands-on experience in the field of Java Full Stack Development.



No. 1 Institute for the Java Full Stack Development

Uncodemy in Noida stands out as the premier Java Full Stack Development course provider, featuring industry-experienced mentors from major corporations. With a commitment to 100% placements, it offers live project experiences, flexible online & offline training modes, and accelerated certification options catering to working professionals.







- 1. Access to experienced instructors who can provide personalized guidance and support.
- 2. Exposure to industry-relevant tools and technologies.
- 3. Hands-on experience with real-world datasets and projects.
- 4. Networking opportunities with other students and professionals in the field.
- 5. A structured curriculum that covers the key concepts and skills needed to succeed in Java Full Stack Development.
- 6. Access to job placement assistance and career counseling.





Uncodemy partners with seasoned industry professionals to provide students with first-hand knowledge and real-world applications in the realm of Java Full stack Development. These experienced instructors share their practical insights, equipping students not only with theoretical knowledge but also with the practical skills needed to succeed in the field.

About Certificate



Uncodemy is recognized by top industry bodies such as ISO and NASSCOM and is also endorsed by Skill India, a government initiative aimed at boosting skills development in the country. The certifications provided by Uncodemy are highly valued by employers, as they signify that the candidate has completed a rigorous program and has the necessary skills and knowledge to excel in the field.

Doubt Session



Uncodemy facilitates doubt sessions where students can receive individualized attention and clarification on challenging concepts. These sessions are led by experienced instructors who provide comprehensive explanations and examples, ensuring that students leave the session with a thorough understanding of the material.



Grooming Session

Soft skills training to improve communication, networking, and leadership skills. Identifying and highlighting transferable skills that may not be obvious.



CV building

Helping students build a killer resume. Ensuring that the resume includes relevant keywords to help it stand out in applicant tracking systems. Overall, it's about helping students make their resume shine and stand out from the competition.



Interview session

The goal is to prepare students for the job interview process, giving them the chance to practice their communication and interpersonal skills, and helping them feel more confident and prepared for the real thing.



Mock interview

Uncodemy uses mock interviews in its IT training program as a tool to help students refine their interview skills and prepare for job interviews in the tech industry. The mock interviews are designed to replicate the pressure and format of a real interview, without the actual job at stake.

Key Features



Live industrybased projects



100% placement assistance



CV building



Confidence Building



Online & offline



weekly & weekend classes



Interview Session



Mock Interview Session



Course Completion certificate



Recorded Class



Group Discussion





Interview Session



6 Monthe internship



Top Skills and Tools Covered

















Hyper Text Mark-up Language (HTML5)

Detailed Course Contents:

- Introduction HTML
- HTML Basics
- HTML Elements
- HTML5 Semantic
- HTML Attributes
- HTML Headings
- HTML Paragraph
- HTML Styles
- HTML Formatting
- HTML Computer Code
- HTML Comments & Colours
- HTML CSS, Links and Images
- HTML Lists
- HTML Blocks
- HTML Layout
- HTML Responsive
- HTML JavaScript
- HTML Head

Cascading Style Sheets (CSS3)

Detailed course contents:

- Introduction CSS3
- CSS3 Syntax
- CSS3 Colours
- CSS3 Backgrounds
- CSS3 Borders

- CSS Padding
- CSS Height/Width
- CSS3 Gradients
- CSS3 Shadows
- CSS3 Text
- CSS3 Fonts
- CSS3 2D Transforms
- CSS3 3D Transforms
- CSS Box Model
- CSS Display
- CSS Position
- CSS Align
- CSS Pseudo-class
- CSS Pseudo-element
- CSS Navigation Bar
- CSS Dropdowns
- CSS3 Images
- CSS Attr Selectors
- CSS Forms
- CSS Counters
- CSS3 Animations
- CSS3 Buttons
- CSS3 Multiple Columns
- CSS3 Filters
- CSS3 Media Queries
- CSS3 Responsive

Course

Curriculum

Bootstrap

Detailed course contents:

- Introduction to Bootstrap
- Bootstrap Basics
- Bootstrap Grids
- Bootstrap CSS
- Typography
- Tables
- Forms
- Buttons
- Corousel
- Modal
- Tooltip

JavaScript

Detailed course contents:

Introduction to JavaScript

- History of JavaScript
- Advantages
- Limitations
- Script element
- Creating your first JavaScript program
- Coding convention
- Setting up development environment (with VSCode)

Types and Statements

- Keywords in JavaScript
- Overview of Data types
- Primitive Data types
- Non-primitive Data types
- Conditional statements
- Loops

Operators

- Introduction to operators
- Operator precedence and associativity
- Deep dive into operators
- Arithmetic
- Comparison
- Ternary
- Logical
- Language
- Bitwise

Functions - Level I

- Introduction to functions
- Function definition
- Passing values
- Returning values
- Local and global variables
- Functions as objects
- Function constructor

Functions - Level II

- Function invocation patterns
- Arrow functions
- JavaScript scopes
- Function closures

Arrays and Strings

- Introduction to Arrays
- Array declaration
- Array access methods
- Multi-dimensional arrays
- String properties
- String access methods

Objects in JavaScript

- Introduction to objects
- Type of objects in JavaScript
- Creating objects
- Object methods
- Constructor function
- Prototype in JavaScript
- Inheritance using prototype chain

Event handling

- JavaScript events
- Event handler
- Event flow
- Event bubbling and capturing
- Event types

Document Object Model (DOM)

- Introduction to DOM
- Types of DOM
- DOM standards and methods
- Manipulating documents using DOM
- Handling images
- Table manipulation
- Animation
- Node and Node-list handling

Form Handling

- Introduction to forms
- Form processing
- Forms object
- Accessing data from forms
- Form validation
- Additional features in forms
- Validation APIs

Debugging Techniques

- JavaScript Errors
- Error handling mechanisms

jQuery

Detailed course contents:

- Introduction to jQuery
- jQuery Syntax
- jQuery Selectors
- jQuery Events
- jQuery Effects
- jQuery HTML
- jQuery Traversing
- jQuery AJAX & Misc

React|S

Detailed course contents:

Introduction to React

- History of React
- Key Benefits of React
- React development environment
- Creating your first React Application
- React Source code structure

JSX

- Introduction to JSX
- Coding in JSX
- Expressions in JSX
- Working with HTML
- Conditional Constructs

Components

- Introduction to components
- Why Components?
- Writing JSX code in components

- Adding CSS
- Populating Data Dynamically
- Passing data through "props"
- Multiple Components

State and Event Binding

- Introduction to Events
- Event Handlers
- Working with state
- Data Binding
- Controlled and Uncontrolled
 Components

Rendering Lists and Conditional Contents

- Rendering lists of data
- Using stateful list
- Keys in data
- Conditional Contents
- Adding dynamic styles

Debugging Techniques

- Understanding error message
- Code flow and warnings
- Breakpoints
- Using React Dev Tools

Course

Curriculum

Class based Components

- What and Why?
- Adding first class based component
- Working with states and events
- Component Life cycle and in action
- Class based vs functional component

HTTP

- Introduction to HTTP
- Methods in HTTP
- Response code in HTTP
- Introduction to REST interfaces
- Characteristics of REST
- Introduction to JSON
- **ISON** data representation
- GET request
- Using async and await
- Handling Http errors
- useEffects()
- POST request

Custom React Hooks

- What are custom hooks?
- Creating and using custom hooks
- Custom HTTP hooks

Forms

- Introduction to Forms
- Working with user input submission
- Adding validation
- Working with custom hooks

Authentication

- What is authentication?
- Why and How?
- Authentication tokens
- Setting up
- Adding signup
- Showing feedback to the user
- Adding User login
- Using tokens
- Redirecting the user
- Adding logout
- Protecting frontend pages
- Persisting User authentication status
- Adding auto logout

Deployment

- Introduction
- Deployment steps
- Adding lazy loading
- Building the code for production
- Getting started with deployment
- Handling routes and finishing deployment.

INTRODUCTION TO JAVA

- Why Java was Developed
- Application Areas of Java
- History of Java
- Platform Independency in Java
- USP of Java: Java Features
- Sun-Oracle Deal
- Different Java Platforms
- Difference between JDK,JRE,JVM
- Java Versions
- JVM Architecture
- Installing Java on Windows
- Understanding Path Variable: Why Set
 Path
- Installing Eclipse
- Installing Netbeans

CREATING FIRST JAVA PROGRAM

- Understanding Text Editors to Write
 Programs
- How to compile java file
- Byte Code and class file
- How to run class file

JAVA LANGUAGE FUNDAMENTALS

- Identifiers
- Keywords
- Variables

- Literals
- Data Types
- Operators
- Comments
- Looping Statements
- Condition Statements
- Type Casting

OOP IMPLEMENTATION

- Why 00P
- 00P Concepts with Real life examples
- Class& it's Syntax
- Object& it's Syntax
- Reference Variable
- Constructors
- Instance(Non-Static) & Static Variables
- Instance(Non-Static) & Static Methods
- this Keyword and it's usages
- Object & Static Initializers (Anonymous Blocks)
- inheritance & its Syntax
- Types of Inheritance
- Object Class as Root of Java Class
 Hierarchy
- Variable Hiding
- Method Hiding
- Method Overriding
- Method Overloading

- Super keyword and its usages
- Final keyword and its usages
- Constructor Chaining
- Upcasting and Downcasting
- Static & Dynamic Binding
- Runtime Polymorphism
- Abstract Keyword (Abstract classes and methods)
- Understanding Interfaces
- Implementation of Encapsulation
- Association with Implementation

PACKAGES

- Understanding Packages
- Setting Classpath
- Reading Input from Keyboard
- Access Modifiers
- With in Package & Outside Package
 Implements

NESTED TYPES

- Static Nested Class
- Non-static Nested Class
- Local Class
- Anonymous Class
- Nested Interface

ARRAYS

• General Definition of Array Advantages from Array

- Arrays in Java
- 1-d Arrays
- 2-d Arrays
- Jagged Arrays
- Array of reference type
- Operations on Arrays
- User Define Array & Object Type

COMMAND LINE ARGUMENTS AND WRAPPER

CLASSES

- Wrapper Classes
- Parsing of Numeric Strings
- String representation of Primitives

EXCEPTION HANDLING

- Types of Runtime Errors
- Understanding Exceptions
- Exception Class Hierarchy
- Try & Catch Blocks
- Patterns of Catch Block
- Nested Try statements
- Throw, throws and finally
- Creating Custom Exceptions
- Checked & Unchecked Exceptions
- Assertion

WORKING WITH STRINGS

- What is String
- String Class

Course

Curriculum

- Creating String Object
- Operations on String
- String Buffer Class and it's Methods
- Difference between String and String
 Buffer class
- StringBuilder Class and it's Methods
- Difference between StringBuffer and StringBuilder

SWING

- Introduction to AWT
- Introduction to Swing Components
- Look And Feel of Swing Components
- MVC Architecture of Swing Components
- Working with Image
- Advance Swing Components
- JOptionPane, JTree, JTable, JTabbedPane
- JfileChooser, JcolorChooser
- Menu Components
- JMenu
- JMenuitem
- JMenubar

MULTITHREADED PROGRAMMING

- Multitasking: Why Concrrent Execution
- Multiprocessing v/s Multithreading
- Main Thread (Default Java Thread)
- Creating Child Threads and understanding context switching

- Thread States
- Thread Group
- Thread Synchronisation: Methods and Blocks
- Inter-Thread communication
- Daemon Threads
- Deadlock

I/O STREAMS

- What is I/O
- Why Need Streams
- Byte Streams and Character Streams
- Read/Write operations with file
- Scanner Class
- Object Serialization & Deserialization
- Transient keyword
- File Class and it's Methods

SOCKET PROGRAMMING

- Understanding Fundamentals of a Network
- Socket and ServerSocket Classes
- InetAddress Class
- DatagramSocket and DatagramPacket
 Classes URL, URLConnection, HttpURL
 Connection Classes

REFLECTION

• Understanding the Need Of Reflection

Course

Curriculum

- Getting information about class's modifiers, fields, methods, constructors and superclasses Finding out constant and method declaration belong to an interface
- Creating an instance of the class whose
 name is not known until runtime
- Getting and setting values of an object's field if field name is unknown until runtime
- Invoking Private Methods
- Invoking a method on an object if the method is unknown until runtime

EXTENDED & UTILITY CONCEPTS

- Generics
- Lambda Expression
- Annotations
- Object Cloning
- Vargs
- Static-import
- Enum
- Static, Default and Private Methods of Interface
- Var Type
- Java Modules
- Stream API

COLLECTIONS FRAMEWORK

- What is Collection?
- What is Framework?
- Collections Framework
- Core Interfaces
- Collection, List, Queue, Deque
- Set, NavigableSet, SortedSet Map,
 NavigableMap, SortedMap
- Core Classes
- ArrayList, LinkedList, Priority Queue,
 ArrayDeque
- HashSet, LinkedHasSet, TreeSet,
- HashMap, IdentityHashMap, WeakHash Map, LinkedHashMap, Tree Map
- Accessing a Collection via an Iterator
- Accessing List via ListIterator
- Accessing a Collection via for each loop
- Working with User Defined Objects
- The Comparator and Comparable Interfaces
- The Legacy classes and Interfaces.
- Enumeration, Vector, Stack
- Hashtable, Properties

DATE & TIME API

- iava.util.Date
- java.util.Calender
- java.sql.Date

SYSTEM PROPERTIES & INTERNATIONALISATION (I18N)

- Understanding Locale
- Resource Bundle
- Usage of properties file
- Fetching text from Resource Bundle
- Displaying the text in HINDI

INTRODUCTION TO SQL (PROJECT BASED) DATABASE PROGRAMMING USING IDBC

- Need Of JDBC
- **JDBC Drivers**
- Statement, PreparedStatement,
 CallableStatement
- Scrollable and Updatable ResultSet
- Batch Updates
- Transaction
- Metadata
- Connection Database
- Oracle
- My SOL

JAVA EE(JAVA PLATFORM ENTERPRISE EDITION)

- Understanding the Concept of Java EE:
 JEE Specification
- Java EE Architecture
- Single Tier
- Two Tier
- Three Tier

- N-Tier
- Java EE Components\
- Web Components
- Distributed(Business) Components
- Java EE Containers & Servers
- Web Container & Web Server
 (Apache Tomcat)
- EJB Container & Application Server
 (Weblogic, Glassfish, Websphere)
- Java EE Services
- JNDI Service
- Java Transaction Service
- IAAS
- IMS

JAVA SERVLET

- Introduction to web programming
- Role of Servlet in web programming
- Servlet Lifecycle
- Servlet with Annotations
- @WebServlet
- @WebInitParam
- @WebListener
- @WebFilter
- @MultipartConfig
- Request Dispatching
- Parameters & Attributes their differences
- ServletConfig and ServletContext
- File Uploading and Downloading

Session Tracking & State Management

- Cookie
- Url Rewriting
- Hidden Form Field
- Session Object
- Events & Listeners
- Dependency Injection
- Refreshing Servlet
- Filters

JAVA SERVER PAGES (JSP) & JSTL

- ISP Architecture
- **ISP Elements**
- ISP Objects
- Understanding JavaBeans
- Custom Tags
- Using tags of JSTL
- Expression Language

PROJECT CLASSES

- Back End Coding
- DATABASE DESIGNING
- Connecting forms to database
- Writing Business Logic
- Project Hosting
- DESIGN PATTERN
- Why Design Patterns...?
- Front Controller
- Composite View
- Factory Pattern

- Singleton Pattern
- DAO Pattern

JAVA MAIL API

- Email System and Protocols
- Sending & Receiving Mails
- Handling Attachments

INTRODUCTION TO DISTRIBUTED PROGRAMMING

- RMI
- Web Services

INTRODUCTION TO RESTFUL SERVICES

- @PathParam
- @Path
- @FormParam
- @QueryParam
- @DefaultValue

OVERVIEW OF JPA FRAMEWORK

SPRING

- What is Spring?
- Spring modules
- Understanding dependency Injection
- Applying aspect-oriented programming

MAVEN DEPLOYMENT

- Maven Configuration
- Converting Maven to Eclipse
- Various Maven Command

BASIC BEAN WIRING

Course

Curriculum

- Containing your Bean
- Creating bean
- Injecting into bean properties

Auto wiring

Controlling bean creation

• Aspect Oriented Programming

INTRODUCTION TO HIBERNATE

- Hibernate Architecture
- Hibernate configuration
- Hibernate's Support for Other
 Technologies
- Installing Hibernate
- A "Hello world" stand alone application

CREATING PERSISTING CLASSES

- Mapping a basic Java Class
- Mapping a Class with Binary Data
- Mapping a Serializable Class

Mapping a class with Data/calendar attributes

- Mapping a Read-only class
- Mapping a class using Versioning
 /Timestamps

MAPPING INHERITANCE WITH JAVA CLASSES

- Table-Per-class Hierarchy Mapping
- Table-Per-subclass Hierarchy Mapping
- Table-Per-concrete-subclass Hierarchy
 Mapping
- Persistence interfaces

WORKING WITH COLLECTIONS

- Associations
- Lazy initialization
- Mapping Maps/Sorted Maps
- Mapping Sets/Sorted Sets
- Mapping lists
- Mapping Arrays
- Mapping a Bidirectional Association

HIBERNATE CACHING

- How caching improves performance
- First level cache
- Second level cache

SPRING BOOT

- Introduction To Spring Boot
- Spring Boot Annotation
- Spring Boot & JDBCTemplate
- Spring Boot & JPA Hibernate
- Spring Boot Rest API
- Spring Boot MVC
- Spring Boot Security



CERTIFICATE

OF TRAINING

(ISO 9001: 2015 Certified)

PROUDLY PRESENTED TO

Devanshi Pande

You have successfully completed your Four Months Training on Data Analytics with specialisation in Python.

28TH JULY 2023

DATE

MR. PRADIP MEHTA

Founder

Certified By:



NASSCOM® Certified Member





Our Alumnus & Companies











































































































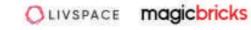






















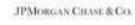




























Our Industry Expert

Trainers



Ms. Sonal Rana

Full Stack Development | Core & Advance Java | Spring MVC | Angular | Reactjs | MySQL

"Professional Java trainer has extensive knowledge of Java programming combined with good presentation and teaching abilities. Has master's degree in computer application, strong understanding of Java Development, and over 8+ years of experience. Skills Set: Java 8, J2EE, Spring Boot, Hibernate, JUnit, Maven Microservices, Reactjs, and Angular.



Mr. Rajesh Kumar Mandal

Full Stack Development | Express.js | React.js | Node.js | JavaScript | Python | Django | Flask

"Mr. Rajesh, an experienced MERN Full Stack Developer, is proficient in building end-to-end applications using MongoDB, Express.js, React.js, and Node.js. With a strong foundation in Frontend and Backend, and comprehensive understanding of Python programming, and hands-on experience in developing scalable applications. He holds a master's degree in computer science and possesses over 10+ years of expertise.

MongoDB, Express.js, React.js, Node.js, Python, JavaScript (ES6+), RESTful APIs. Git.



Mr. Bambam Kumar Yadav

Full Stack Developer(HTML, CSS, JS, MongoDB, Express.js, React, Node.js) | Software Developer | Digital Marketing |

"Meet a versatile individual who seamlessly navigates the domain of technology and marketing. Armed with three years of hands-on experience, this adept professional is a maestro in full-stack development and a savvy navigator in the world of digital marketing. Having dived into the depths of 30+ projects, their expertise spans the entire spectrum, from crafting robust code to adapt impactful marketing strategies.

Congratulations

Placement



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AKASH SINGH

One
card

Congratulations To our selected students

SUCCESS STORIES

BABITA Company Adobe

Uncodemy is the perfect place to start your data science career, as they provide regular live classes with doubt resolution. Moreover, they also allow students to book additional mentor - ship to sessions with industry experts tounderstand challenging topics better and gain industry insights. Uncodemy as highly as possible and suggest all the aspirants join Uncodemy with hesitation.

ADITYA SINGH

Company: Deloitte

Uncodemy is a good place to start up if you are looking for a

career transition or build a career in Data analytics. Moreover, guest lectures by Upendra sir are very insightful. Very efficient manage to reach out for any help during train-ing. The best thing is, they also offer support in looking for jobs post training. Thank You...

NEELAM

Company: wipro

RITESH SINGH

Company : Bloohash

After spending 2 years in

Non-IT job, decided to switch to IT job. Uncodemy is one of the leading brand in this section.

I have compplete here Soft - ware testing training course. They have very good trainers and HR team Who helps you to find the right job. The training content is very excellent and very useful to get your dream IT job. special thanks to Shivendra Sir, Ug sir, Anam Ma'am and HR department team for proper guidance and help throughout this journey. Now I'm working in the leading IT company with good package, all thanks to Uncodemy team.

\I"ve always wanted to create complete web

25

applications on my own. | went for an Uncodemy Python Full Stack Course. | am 50 grateful to Uncodemy now because | can fulfil my dream.

Their staff and training are 50 fruitful,

They will walk you through the process of building your first full - stack Python web

application. If you Want to be a good program developer, hurry up and go for the

Uncodemy Python.

Full Stack Course.







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Email:- info@uncodemy.com

For Support/Complaint Assistance:

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