



JAVA FULLSTACK

About Us

Adacode Solutions excels in innovative software solutions, specializing in IoT, Robotics, Cloud, Data Science, and more. Trust us as your partner for cutting-edge solutions, shaping the future of technology.

We Provide

- ✓ **Scholarship for Students**
- ✓ **Education Loan**
- ✓ **Life time Placement Support**
- ✓ **Online and Offline Classes**
- ✓ **Life time Access to course Materials**

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more info



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Industrial Experts

We have industrial experts to teach you our courses.



100% Genuine Placements

We offer 100% placement support.



Interview Assistance

We offer interview preparation assistance with industry experts.



Collage Project Assistance

We provide college final year project assistance.



Aptitude Practice Sessions

We offer aptitude sessions for comprehensive skill development.



English Training

We provide English training for effective language proficiency.



Soft Skill Sessions

We offer soft skill sessions for holistic professional development.



3rd Floor, Four Wings Building
Panniyankara, Kozhikode



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ADACODE

Solutions

JAVA FULL STACK

Who Should Join This Course

- ➡ Programmers aspiring to become Java full-stack developers
- ➡ Tech enthusiasts diving into comprehensive web development.
- ➡ Professionals expanding skills across Java-based full-stack applications.

Course Details

Duration: 6-8 Months

15 Modules

Unlimited Lab Access

Final Project

Project Certificates

Course Certificates

English Training Sessions

Monthly Mock Interview Sessions

IEEE Certified Projects

Course Content

- Introduction to Java
- HTML, CSS, and JavaScript
- Responsive Web Design
- Version Control with Git
- Back-End Development with Java
- Java Servlets and JSP
- Database Design and JDBC
- Spring Framework
- Front-End Frameworks and Advanced Topics
- RESTful Web Services
- Testing and Debugging
- Microservices Architecture
- DevOps and Deployment
- Final Project
- Career Development and Soft Skills



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Syllabus

Module 1: Introduction to Java

- Basics of Java programming language
- Object-oriented programming concepts
- Data types, control structures, and loops

Module 2: HTML, CSS, and JavaScript

- HTML5 and its features
- CSS3 for styling web pages
- Introduction to JavaScript
- Document Object Model (DOM)

Module 3: Responsive Web Design

- Media queries and responsive design principles
- Bootstrap framework for responsive web development

Module 4: Version Control with Git

- Basics of version control
- Git commands and workflows
- GitHub for collaboration

Module 5: Java Servlets and JSP

- Servlets and JSP fundamentals
- Request and response handling
- Session management

Module 6: Database Design and JDBC

- Relational database concepts
- Database design and normalization
- JDBC for database connectivity

Module 7: Spring Framework - Part 1

- Introduction to the Spring framework
- Spring Core and Dependency Injection
- Spring MVC for web development

Module 8: Spring Framework - Part 2

- Spring Boot for rapid application development
- Spring Data JPA for data access
- Spring Security for authentication and authorization

Module 9: Front-End Frameworks (React or Angular)

- Introduction to a front-end framework (React or Angular)
- Components, directives, and state management
- Building a single-page application (SPA)

Module 10: RESTful Web Services

- Introduction to RESTful architecture
- Building RESTful APIs
- Consuming RESTful services in Java

Module 11: Testing and Debugging

- Unit testing with JUnit
- Integration testing and debugging strategies

Module 12: Microservices Architecture

- Introduction to microservices
- Building microservices with Spring Boot
- Service discovery and communication

Module 13: DevOps and Deployment

- Continuous Integration and Continuous Deployment (CI/CD)
- Docker for containerization
- Deploying applications to cloud platforms (e.g., AWS, Azure)

Module 14: Final Project

- Working on a comprehensive full-stack project
- Applying learned concepts to real-world scenarios
- Code reviews and best practices

Module 15: Career Development and Soft Skills

- Resume building and interview preparation
- Soft skills development
- Industry best practices and trends