



GRIETSDC
Development Through Skills
(www.grietsdc.in)

Ref: SDC/BOV/12-24

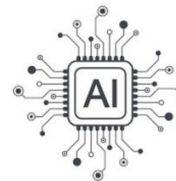
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NATIONAL LEVEL SHORT TERM TRAINING PROGRAM

on JAVA FULL STACK WITH REACT JS & AI



nasscom



Why This Combination Helps Students:

Comprehensive Skill Set: Combining Java Full Stack, React.js, and AI equips students with a powerful and diverse skill set, making them highly versatile in the tech industry.

End-to-End Development: Students can develop full-fledged applications from the ground up, incorporating both advanced user interfaces and intelligent functionalities.

Increased Employability: Mastery of these technologies positions students as attractive candidates for a wide range of roles, from full-stack developers to AI specialists.

Holistic Understanding: Learning these technologies together helps students understand how modern applications are built, integrated, and optimized, preparing them to tackle complex projects in their careers.

Versatility: Java Full Stack developers are proficient in both front-end and back-end technologies, making them versatile in building complete web applications.

High Demand: Java is a widely-used, stable, and reliable programming language with strong job market demand, ensuring excellent career opportunities.



Modern Web Development: React.js is one of the most popular libraries for building user interfaces, especially for single-page applications.

Future-Proofing Careers: AI is transforming industries by automating processes, enhancing decision-making, and creating intelligent systems. Understanding AI prepares students for the future of technology.

Resource Person:



Resource Person

V. Madhu Kumar

Senior Technical Head,
EX- Virtusa, Broadridge

(12+ Years Experience | Certified Corporate Trainer | 100% Hands-On teaching)

- Master skills from seasoned instructors.
- Gain practical knowledge used at top MNCs.
- Engage with hands-on exercises and activities.
- Apply skills through real-world simulations.
- Benefit from our trainers' track record of success.
- Tailor programs to your specific needs.
- Stay motivated with passionate and skilled instructors.
- Learn in a collaborative and interactive atmosphere.

Worked in:

HCL

FUJITSU

VALUE **M**OMENTUM

Capgemini

Broadridge

ZETA

Schedule:

Day 1-3: Introduction to Java with React JS

- Java Basics Recap: Object-Oriented Programming (OOP) concepts, classes, objects, inheritance, and polymorphism.
- React JS Overview: Introduction to React components, JSX, props, and state.
- Setting Up Environment: Install JDK, Node.js, and create a basic React app.

Day 4-6: Java with Spring Boot & REST APIs

- Spring Boot Setup: Introduction to Spring Boot, creating your first REST API.
- Connecting with React: Fetching data from Java Spring Boot APIs in React.
- State Management in React: Using Context API and Hooks.



Day 7-9: Advanced Java Features & AI Introduction

- Java Advanced Concepts: Streams, Lambda expressions, and multithreading.
- AI Basics: Introduction to AI, Machine Learning (ML), and their significance in web development.
- Integrating AI APIs: Using AI/ML APIs in Java (e.g., TensorFlow, Google AI APIs).

Day 10-12: React JS with AI Integration

- React with AI: Integrating AI libraries in React (e.g., TensorFlow.js).
- Real-time AI in React: Implementing basic AI tasks like image recognition or NLP in React.
- UI/UX for AI Applications: Designing user interfaces for AI-powered applications.

Day 13-15: Project Implementation

- Java-React AI Project: Develop a full-stack AI-powered application, combining Java (Spring Boot) with React and AI features.
- Testing and Debugging: Unit testing in Java, React testing with Jest, and AI model validation.
- Deployment: Deploying the full-stack AI application using Docker or cloud services.

FAQ:

What is STTP?

STTP is a short term training program with the duration of 15 days

Is it a Live program?

Yes this is a live program (ZOOM & YouTube).

What if I miss any of the class?

We provide the recordings of the program in the LMS and access for 2 years will be given .

When the STTP going Start?

STT Program starts from 2nd Dec to 22nd Dec, 2024 (Saturday & Sundays are excluded) weekdays at 7PM to 8PM

What are the technologies will be taught in the program?

Fundamentals to the advanced level of Java Full Stack, React JS and Artificial Intelligence

Do we get any certificate?

AICTE Certification will be provided to every participant
Coordinators will receive special appreciation certificate



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Registration Link: <https://forms.gle/kGThStWjETvvy1vq8>

Or

Registration Scan code:



For any queries pl. do contact us.

Dr.G.S.Bapi Raju
Chief Instructor, SDC