



# **FULL-STACK** **PROJECT ORIENTED** **DEVELOPMENT** **JOB READY** **PROGRAM**

*BUILD SKILLS THAT DON'T JUST GET YOU A JOB—BUT SHAPE YOUR LONG-TERM CAREER*





# Welcome to i2i Specialist's Full Stack Development Program

i2iSpecialist Technologies Pvt. Ltd. is a modern IT training, AI solutions, and placement consulting services company focused on building job-ready IT professionals through real-world projects, expert mentorship, and industry-oriented programs. We specialise in **Full Stack Development, Data Science, Software Testing, AWS, Business Analytics and Digital Marketing**, along with smart software and business automation solutions.

---

## About the Program

The Full Stack Development Program is designed to help students and professionals build practical web development skills using modern technologies and AI-powered tools. This course focuses on real-world website and application development, frontend and backend technologies, database management, and live project implementation used by modern IT companies.

Students will gain hands-on experience with industry tools and technologies such as **HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, GitHub, and AI Tools** through **practical assignments, live projects,** and internship-based learning.



# Modules Covered

## Month 1: Front-End Development Fundamentals

### Module 1: Web Development Basics

- Introduction to Full Stack Development
- Internet & Web Architecture
- Client-Server Architecture
- VS Code Setup
- Git & GitHub
- GitHub Copilot
- ChatGPT & Claude for Developers

### Module 2: HTML & CSS

- HTML Structure
- Semantic Tags
- Forms & Validation
- CSS Styling
- Flexbox
- CSS Grid
- Bootstrap
- Responsive Design

### Module 3: JavaScript Fundamentals

- Variables & Data Types
- Functions
- Arrays & Objects
- DOM Manipulation
- Event Handling
- Fetch API
- Async JavaScript

## **Project 1**

Responsive Corporate Website

- Multi-page Website
- Responsive Design
- Contact Form

## **Month 2: Modern Front-End Development**

### **Module 4: React.js**

- React Fundamentals
- Components & Props
- State Management
- Hooks
- React Router
- API Integration

### **Module 5: Modern UI Development**

- Tailwind CSS
- Material UI
- Dashboard Design
- Reusable Components
- Responsive Applications

### **Module 6: AI-Assisted Front-End Development**

- AI Code Generation
- Prompt Engineering
- Frontend Automation
- AI Debugging

## Project 2

### AI-Powered Admin Dashboard

- Authentication UI
- Charts & Analytics
- API Integration
- Responsive Dashboard

## Month 3: Java Programming & Backend Fundamentals

### Module 7: Core Java

- Java Basics
- OOP Concepts
- Classes & Objects
- Inheritance
- Polymorphism
- Abstraction
- Exception Handling
- Collections Framework

### Module 8: SQL Database

- MySQL Fundamentals
- SQL Queries
- CRUD Operations
- Joins
- Views
- Stored Procedures
- Database Design
- Normalization

## **Project 3**

### Employee Management System

- Java Backend
- MySQL Database
- CRUD Operations
- Authentication

## **Month 4: Spring Boot Development**

### **Module 10: Spring Framework**

- Spring Core
- Dependency Injection
- Spring Boot Fundamentals
- Spring MVC

### **Module 11: REST API Development**

- REST APIs
- Controller Layer
- Service Layer
- Repository Layer
- Exception Handling

### **Module 12: Spring Security**

- JWT Authentication
- Role-Based Access Control
- Security Best Practices

## **Project 4**

### E-Commerce Backend System

- Product Management
- User Authentication
- Order Management
- Payment Gateway Integration

## **Month 5: Full Stack Integration & Cloud**

### **Module 13**

- React + Spring Boot Integration
- API Consumption
- State Management
- File Upload System

### **Module 14**

- GitHub Actions
- CI/CD Pipeline
- Docker Basics
- AWS Deployment
- VPS Hosting

### **Module 15**

- Performance Optimization
- Application Security
- Logging & Monitoring

## **Project 5**

### Multi-Vendor Marketplace

- Frontend + Backend
- MySQL Integration
- Payment Integration
- Admin Panel

## **Month 6: AI Integration & Industry Projects**

### **Module 16: Generative AI**

- AI Fundamentals
- Prompt Engineering
- OpenAI API
- Gemini API
- AI Workflow Design

### **Module 17: AI Application Development**

- AI Chatbot Development
- RAG Fundamentals
- Vector Databases
- AI Agents Basics
- AI SaaS Applications

### **Module 18: AI Automation**

- Business Automation
- AI Customer Support
- AI Recommendation Systems
- AI Content Generation

# Real-World Project Development

## **AI Resume Builder**

- Resume Analysis
- AI Suggestions
- PDF Export

## **AI Job Portal**

- Job Matching
- Resume Screening
- AI Recommendations

## **AI Customer Support Chatbot**

- Spring Boot Backend
- AI Integration
- Knowledge Base

## **AI LMS Platform**

- Course Management
- AI Tutor
- Quiz Generation

## **Hospital Management System with AI Assistant**

- Patient Records
- Appointment System
- AI Assistant

## **Real Estate Management Platform**

- Property Listings
- AI Recommendations
- Lead Management

## **AI CRM System**

- Lead Tracking
- Customer Analytics
- AI Insights

## Tools Covered



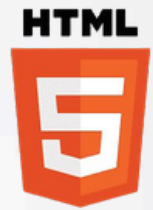
Core Java



Java Script



CSS



HTML



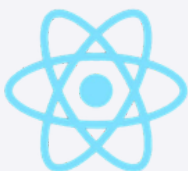
MySQL



VS Code



Git & GitHub



React JS



ChatGPT

ChatGPT & AI Tools



Docker



Tailwind CSS

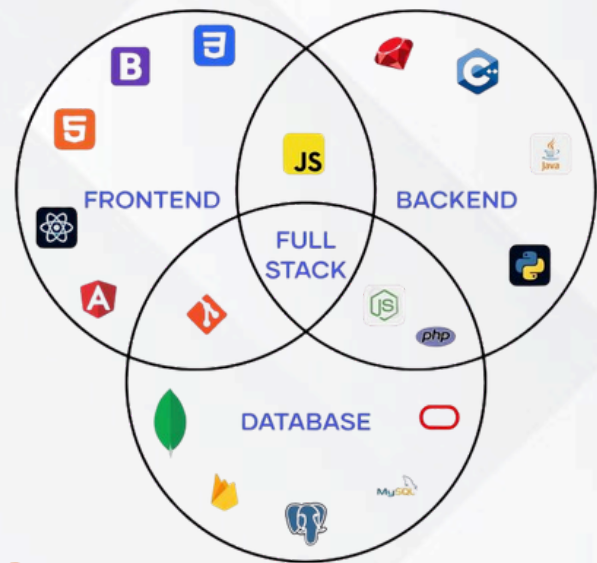


AWS

# Career Opportunities

After completing this program, students can apply for :

- Front-End Developer
- Back-End Developer
- Full Stack Developer
- MERN Stack Developer
- Web Developer
- Software Engineer
- UI Developer
- React Developer



## Who Can Join?

- Engineering Students (BE, BTech, Diploma)
- BCA / MCA Students
- BSc (Computer Science, IT) Students
- Fresh Graduates
- Working Professionals
- Career Switchers from Non-IT Backgrounds
- Job Seekers Looking for Software Development Careers
- Freelancers & Entrepreneurs Wanting to Build Websites and Web Applications
- Anyone Interested in Web Development and Programming

## Program Benefits

- Practical Industry Exposure
- Real-World Project Experience
- Portfolio Development
- Industry-Level Mentorship
- Career Guidance
- Placement Support
- AI Skill Development
- Job-Oriented Learning

## Why Choose i2i Specialist?

- AI-Focused Modern Training
- Practical Learning Approach
- Experienced Industry Trainers
- Real-Time Projects
- Internship Support
- Career-Focused Programs
- Industry-Oriented Curriculum
- Placement Assistance

## Program Time and Schedule

- Monday to Friday 10:00 AM to 5:00 PM (Like a Real-Job Environment)
- Complete Practical Project Work
- Project Consulting & Implementation



## Our Placed Student



CAPITA

 **accenture**



**ZenSar**  
TECHNOLOGIES

**IBM**



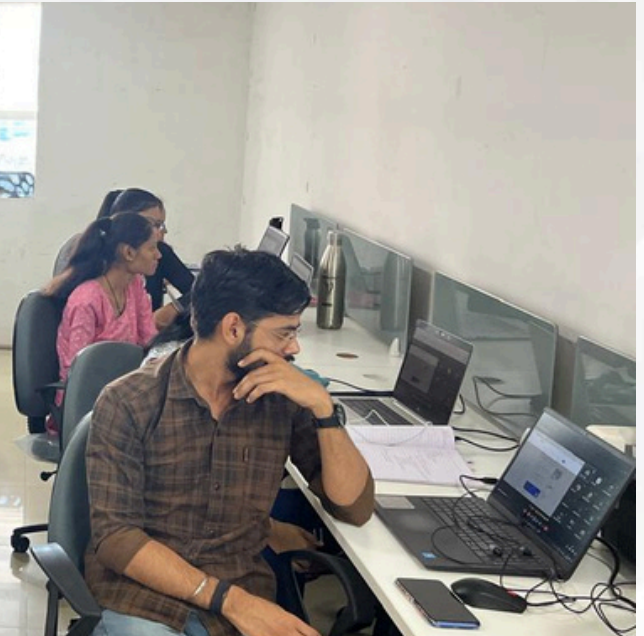
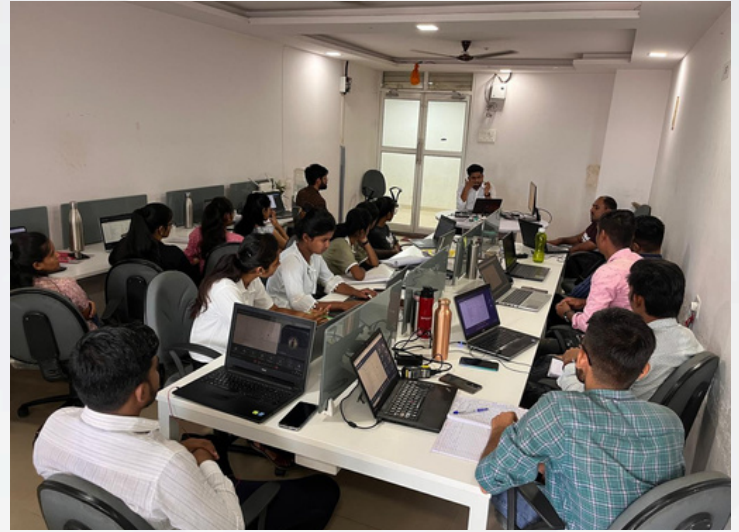
*L&T Infotech*

Capgemini 

Infosys

TECH  ORBIT INC  
Technology Evolution

# AI-Powered Full Stack Development Program - Classroom Training .





# Visit Our Office Address

i2ispecialist Technologies Pvt. Ltd  
11A, 6<sup>th</sup> Floor, A Wing,  
Near EON IT PARK,  
City Vista, Fountain Road, Kharadi,  
Pune  
Call: +91 8329665280

