

AI-Powered Full Stack ReactJS (MERN)



Why Choose us?

- ✓ Mock Interviews
- ✓ Resume Building
- ✓ 1:1 Career Mentorship
- ✓ Industry Ready Curriculum

ABOUT TRAINER

Subba Raju Sir

TRANSFORMING PROFESSIONALS INTO AI INNOVATORS



SUBBA RAJU SIR

CERTIFICATIONS & CREDENTIALS

- Microsoft Certified Data Scientist & Co-pilot Engineer
- Google Certified Gen-AI Engineer
- Certified Pythonista Programmer
- Certified AI in Testing (ISTQB)
- Certified in GenAI & Agentic AI Engineering (Google, Microsoft, IITG)

With over 24 years of IT experience and an M.Sc. in Computer Science from Manipal University, Subba Raju Sir is a leading trainer in Data Science, Prompt Engineering, LLMs, Generative AI, Agentic AI, and Autonomous Testing (AI). He emphasizes hands-on, industry-oriented learning that bridges the gap between academic concepts and real-world applications.

SPECIALTIES & EXPERTISE:

- 👉 DATA SCIENCE, AI, AND GENERATIVE AI
- 👉 PROMPT ENGINEERING & AGENTIC AI SOLUTIONS
- 👉 PYTHON PROGRAMMING & AI TESTING
- 👉 CORPORATE & ACADEMIC TRAINING (250+ HOURS COURSES)
- 👉 MENTORING PROFESSIONALS FOR CAREER GROWTH IN AI



Reviews

AI-Powered Cyber Security



devatha vishwajith
3 reviews



★★★★★ 2 years ago

I joined testing course before 3 months and I already got placed in a good company, do trust dinesh sir and wait for you're turn to get placed he is really helpful and always ready to help with you're doubts. I highly recommend to join his classes and start your career in any IT industry.



Prasanthi Bheemireddy
1 review



★★★★★ 2 years ago

I started this course with fear and lot of doubts. Sir made it easier and always supportive. I liked his way of teaching, Because he never rush the class by teaching in fast track. He has really good knowledge in testing.



Raghavendra Kattela
2 reviews



★★★★★ 9 months ago

I had zero knowledge of testing, they had given me briefing from basic to mastering it. I had an opportunity to show case my skills in my same workplace during the transition of the banks in a short term. That's show how they are really into the business. I am glad I have right mentor. Thank you Subbaraju sir.



Kishan Kumar Yadav
1 review



★★★★★ a year ago

I've had the pleasure of attending a training session conducted by Subba raju sir, and I must say it was a truly enlightening experience. Their deep knowledge of the subject matter, combined with their engaging teaching style, made the learning process both enjoyable and highly effective.
Overall, I would highly recommend.



MODULE 1: Introduction to Full Stack & MERN

- 1. Overview of Web Development (Frontend, Backend, Database, Deployment)**
- 2. Introduction to MERN Stack (MongoDB, Express, React, Node.js)**
- 3. Setting up the Development Environment**
- 4. Understanding how AI integrates with full-stack applications**
- 5. Hands-on: Create your first Node.js server**

MODULE 2: HTML, CSS & JavaScript Essentials

- 1. HTML5 structure and semantics**
- 2. CSS3 basics – Flexbox, Grid, Responsive Design**
- 3. JavaScript fundamentals: variables, functions, arrays, loops**
- 4. DOM manipulation and ES6+ features**
- 5. Hands-on: Build a simple responsive webpage**

MODULE 3: ReactJS Basics

- 1. Introduction to React and Component-Based Architecture**
- 2. JSX and Virtual DOM concepts**
- 3. Props, State, and Events in React**
- 4. React Hooks (useState, useEffect)**
- 5. Hands-on: Build a small React app (To-Do List or Weather App)**



MODULE 4: Advanced React

- 1. React Router for navigation**
- 2. Forms and Validation in React**
- 3. Context API and State Management**
- 4. Integrating REST APIs in React**
- 5. Hands-on: Build a multi-page React application**

MODULE 5: Backend with Node.js

- 1. Introduction to Node.js and npm**
- 2. Understanding asynchronous programming**
- 3. Building RESTful APIs using Express.js**
- 4. Middleware and routing**
- 5. Hands-on: Create a simple REST API for products**

MODULE 6: Database – MongoDB

- 1. Introduction to NoSQL and MongoDB**
- 2. CRUD operations in MongoDB**
- 3. Mongoose ORM and Schema design**
- 4. Connecting MongoDB with Node.js**
- 5. Hands-on: Create a MongoDB-based API for users**



MODULE 7: Integration of MERN Stack

- 1. Connecting React frontend with Node.js backend**
- 2. API consumption using Axios/Fetch**
- 3. Authentication using JWT (JSON Web Tokens)**
- 4. Error handling and validation**
- 5. Hands-on: Build a full-stack login-registration system**

MODULE 8: AI Integration in MERN

- 1. Overview of AI APIs (OpenAI, Hugging Face, TensorFlow.js)**
- 2. Using AI for chatbots, sentiment analysis, and recommendations**
- 3. Integrating AI models into backend services**
- 4. Creating an AI-assisted feature in a MERN app**
- 5. Hands-on: Add AI-powered text analysis in a React app**

MODULE 9: Frontend UI/UX & Tools

- 1. Material UI, Tailwind CSS, and Styled Components**
- 2. Responsive and modern UI practices**
- 3. Building reusable UI components**
- 4. Accessibility and performance optimization**
- 5. Hands-on: Redesign your React app using Material UI**



MODULE 10: Deployment & Cloud Hosting

1. **Hosting frontend on Netlify or Vercel**
2. **Deploying backend APIs on Render / AWS / Azure**
3. **Connecting to MongoDB Atlas (cloud database)**
4. **Environment variables and configuration**
5. **Hands-on: Deploy a full MERN application online**

MODULE 11: Version Control & CI/CD

1. **Git & GitHub basics (commit, push, pull, merge)**
2. **Branching and Pull Requests**
3. **Setting up CI/CD pipelines using GitHub Actions**
4. **Hands-on: Create a GitHub repository and implement CI/CD**

MODULE 12: AI-Driven Enhancements

1. **Adding AI features like image recognition, chatbot, or recommendation engine**
2. **Using TensorFlow.js or OpenAI APIs in MERN**
3. **Optimizing AI model inference for web apps**
4. **Hands-on: Build an AI-powered chatbot using MERN + OpenAI**



MODULE 13: Capstone Project

1. Plan and design an end-to-end MERN project with AI integration
2. Examples: AI Blog Generator, Smart E-commerce App, AI Chat Portal
3. Testing, Debugging, and Deployment
4. Presentation & Peer Review

MODULE 14: Career Preparation & Certification

1. Interview Preparation – Full Stack + AI questions
2. Building a portfolio with AI-integrated projects
3. Resume and LinkedIn profile optimization
4. Freelancing and job guidance in AI + MERN roles



MODULE 15

Ready for job

Build a strong resume, practice interviews, and get placement support to kickstart your career confidently.



 **LEARN THE SKILLS BUILD REAL PROJECTS. GET INTERVIEW READY**



RESUME BUILDING



MOCK INTERVIEWS



Q&A SESSIONS



HR INTERVIEW QUESTIONS



PLACEMENT ASSISTANCE

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Our Recent Placed Students



At **Coding Masters**, our faculty team comprises talented and experienced professionals with several decades of real-world industry experience. Our teaching style is tailored to meet industry requirements, ensuring no wasted effort or opportunity for learners. We are dedicated to empowering aspiring professionals with the skills they need to excel in the ever-evolving tech landscape. Known for offering the best **AI Powered Cyber Security training in Hyderabad**, Coding Masters blends innovation, hands-on learning, and industry relevance.

Our mission is to bridge the gap between academic knowledge and industry expectations by providing high-quality training in **AI Powered Cyber Security**, and more. Guided by experts. Every student receives personalized mentorship and a transformative learning experience.