

AI-Powered Full Stack Python



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 & Python

1. Overview of Full Stack Development (Frontend, Backend, Database, Deployment)
2. Why Python for Full Stack Development?
3. Setting up Python environment (Anaconda, VS Code, PIP)
4. Introduction to Flask and Django frameworks
5. Understanding how AI integrates with full-stack applications
6. Hands-on: Write your first Python web app using Flask



MODULE 2: Python Fundamentals

1. Python syntax, data types, loops, and functions
2. Working with lists, tuples, dictionaries, and sets
3. Object-Oriented Programming (OOPs) in Python
4. Modules, packages, and virtual environments
5. Hands-on: Build a mini calculator and file handler app

MODULE 3: Frontend Basics – HTML, CSS, JavaScript

1. HTML5 and CSS3 for web structure and styling
2. Responsive design using Flexbox and Grid
3. JavaScript fundamentals and DOM manipulation
4. Integrating HTML templates with Flask/Django
5. Hands-on: Create a simple responsive landing page

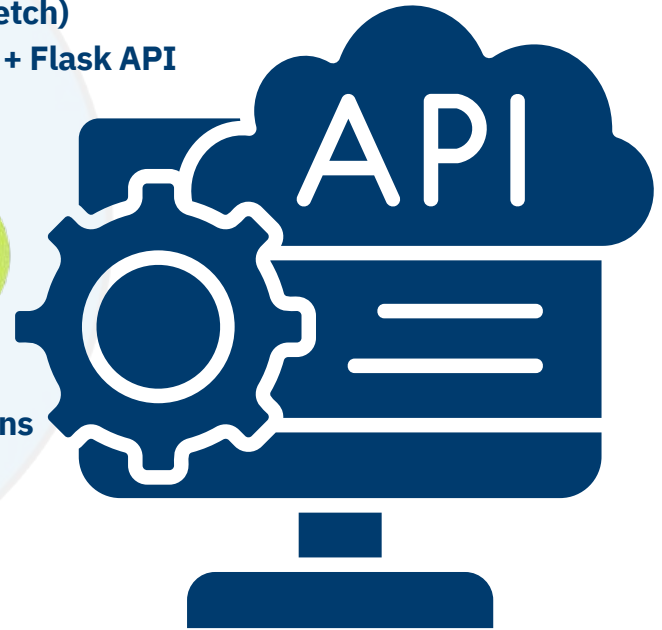


MODULE 4: Advanced Frontend with React / Bootstrap

1. **Using Bootstrap** for responsive web design
2. **Integrating React** with Flask/Django backend
3. **Frontend communication** with REST APIs (Axios/Fetch)
4. **Hands-on: Build a dynamic dashboard** using React + Flask API

MODULE 5: Backend Development with Flask

1. **Flask basics:** routing, templates, forms, and sessions
2. **RESTful API** creation with Flask
3. **Jinja templating** and form validation
4. **Error handling** and authentication
5. **Hands-on: Create a Flask-based CRUD** web app



MODULE 6: Backend Development with Django

1. **Django architecture** (MVT pattern)
2. **Models, Views, and Templates**
3. **Django ORM** and Database integration
4. **Admin panel customization** and user authentication
5. **Hands-on: Build a blog or e-commerce backend** using Django

django

MODULE 7: Database Management (SQL & NoSQL)

1. Introduction to MySQL and PostgreSQL
2. CRUD operations and relational modeling
3. Introduction to MongoDB (NoSQL)
4. Connecting databases with Flask and Django
5. Hands-on: Build a user registration database system



MODULE 8: AI Integration in Full Stack Python

1. Overview of AI APIs (OpenAI, Hugging Face, TensorFlow, Scikit-learn)
2. Using AI for chatbots, recommendations, and automation
3. Integrating AI/ML models into Flask/Django backend
4. Hands-on: Add an AI text generator or sentiment analyzer API to your web app



MODULE 9: Data Handling & Visualization

1. Pandas and NumPy for data manipulation
2. Matplotlib and Seaborn for data visualization
3. Integrating AI analytics dashboard into your web app
4. Hands-on: Create a live analytics dashboard with Flask + Chart.js

MODULE 10: Authentication, APIs & Security

1. User authentication using JWT and OAuth
2. Building secure REST APIs
3. Form validation and input sanitization
4. Introduction to API documentation (Swagger, Postman)
5. Hands-on: Implement secure login and token-based API system



MODULE 11: Deployment & DevOps Integration

1. Hosting web apps on AWS, Azure, or Render
2. CI/CD using GitHub Actions
3. Docker and containerization basics
4. Environment variables and production configuration
5. Hands-on: Deploy your Flask/Django app with AI feature on cloud

MODULE 12: AI-Powered Enhancements

1. Integrating NLP, computer vision, or recommender systems
2. Using TensorFlow Lite / OpenAI APIs in Python apps
3. Optimizing AI model performance in production
4. Hands-on: Build an AI-powered chatbot or recommendation engine



MODULE 13: Capstone Project

1. Plan and develop a full-stack Python project with AI integration
2. Examples: AI Resume Analyzer, Smart E-learning App, AI Chat Portal
3. Testing, debugging, and final deployment
4. Presentation and peer evaluation

MODULE 14: Career Preparation & Certification

1. Full Stack Python career paths (Backend, AI Web, MLOps)
2. Interview preparation (Python + AI + Cloud)
3. Building a professional portfolio and resume
4. Certification and freelancing guidance



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.