

Since 2007, Making IT Experts & Products

Testing Automation for Software Developers & AI

Duration: 30 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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Introduction to AI for Software Development

- * Introduction to Artificial Intelligence
- * AI in Software Development
- * AI-Assisted Development Workflow
- * Benefits and Limitations of AI Tools

AI Coding Assistants

- * AI-Assisted Code Generation
- * Code Completion and Suggestions
- * Code Explanation
- * Code Refactoring
- * Working with AI Coding Assistants

Prompt Engineering for Developers

- * Prompt Engineering Fundamentals
- * Writing Effective Coding Prompts
- * Debugging Prompts
- * Code Optimization Prompts
- * Multi-Step Development Prompts

AI-Assisted Programming

- * Python Development with AI
- * JavaScript Development with AI
- * HTML and CSS Generation
- * Database Query Generation
- * API Development with AI

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AI for Debugging and Testing

- * AI-Assisted Debugging
- * Error Analysis
- * Unit Test Generation
- * Test Case Creation
- * Code Quality Improvement

AI for Software Documentation

- * Technical Documentation
- * API Documentation
- * Code Comments
- * README Generation

AI API Integration

- * Introduction to AI APIs
- * API Authentication
- * AI Model Integration
- * Text Generation APIs
- * Building AI-Powered Features

AI Application Development

- * AI Chatbot Development
- * AI-Powered Search
- * AI Text Processing
- * AI Recommendation Features

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Since 2007, Making IT Experts & Products

- * Building AI-Enabled Applications

AI-Assisted Git and DevOps

- * AI for Git Workflows
- * Commit Message Generation
- * Pull Request Assistance
- * AI-Assisted CI/CD
- * Developer Workflow Automation

Practical AI Software Project

- * Project Planning with AI
- * AI-Assisted Application Development
- * Debugging and Testing
- * Documentation
- * Deployment and Final Project Review

(Click on Course for more details)

Course: AI for Software Developers & AI Testing Automation

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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