ADEMIZE SOLUTIONS

Course Outline
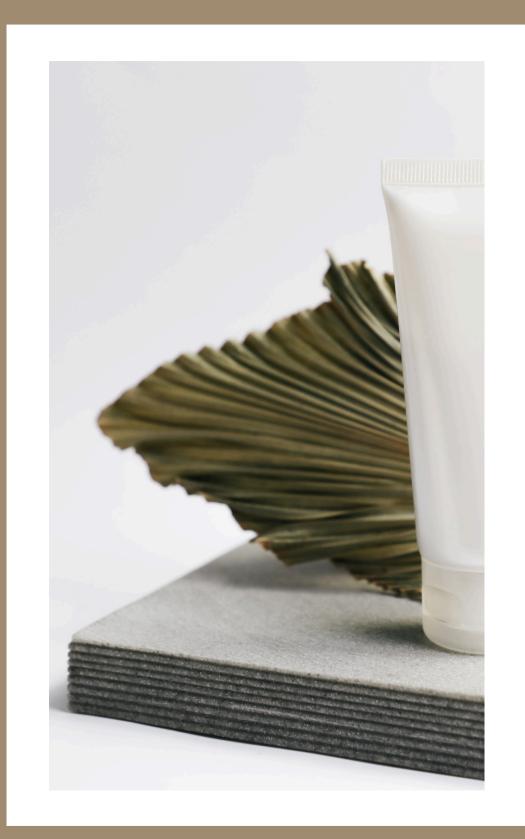
LEARN . GROW . SUCCEED

Welcome to our Course

This Course starts with explaining the fundamentals of the Artificial Intelligence & Machine Learning concepts and gets deep dive into testing concepts & Strategies for Machine Learning models with real time examples.

This AI Testing course is designed to be your ideal companion, teaching prompt engineering skills that help you ask the right questions in the right way, enabling you to generate answers swiftly for your everyday testing needs. We will also explore AI-powered testing tools and delve into how QA Automation is evolving with AI intelligence.

What you will learn in this Course

Ø Learn Prompting skills to generate Automation code in any language/tools (Selenium, Cypress, Playwright) using AI.

Ø Understand how to optimize the code into framework standards with simple prompting to AI.

Ø Learn to generate Test Artifacts in fly such as Test Plan, Testcases, Test Data, Bug templates for given Business requirements.

Ø Get an overview of AI Powered Testing tools in current market and their capabilities for revolutionizing Test Automation.

Ø Learn to generate API Automation tests to framework level.

Ø QA Functional Testing in the ML Validation Phase.

Ø Responsible AI Testing for ML Models

Ø Machine Learning Models and their Lifecycle.

Ø Shift-Left Testing in the ML Engineering.

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Who this course is for:

Ø Software Testers.

Ø Quality Assurance Engineers.

Ø Developers.

Ø Business Analysts.

Ø Freshers.

Ø Product owners.

Ø Scrum Masters.

Ø Who this course is for:

Ø No programming experience needed.

PRE-REQUISITES:

Ø We Need to create account in one of the AI Tools.
ChatGPT, Gemini, Copilot

THE KEY TAKEAWAYS FOR THE COURSE

✓ Always be learning

✓ Know that you don't know

✓ Ask for Help if necessary

✓ There's always a solution

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Course Outline

CONTENT

Ø Creating test plans and requirements through AI.

Ø Generating unit, integration, and functional test cases with AI.

Ø Producing test data relevant to different tests.

Ø Providing suggestions on distributing tests throughout the testing lifecycle.

Ø Developing automation scripts for test cases. Crafting custom utility code methods to automate. functionalities. Configuring framework-related files using AI.

Ø Creating Cucumber feature files and step definitions with real code via AI.

Ø Generating UI tests using libraries like Selenium, Cypress, and Playwright.

Ø Formulating SQL queries from complex database tables using simple AI prompts.

Ø An introduction to AI-powered testing tools.

Ø Achieving codeless automation using AI QA tools.

Ø Fundamental & introduction to AI-powered TestRigor.

Ø Introduction to AI Agent.

Ø Install AI Model locally & use that without internet.

Ø Best Practices for using AI & be a best friend with AI.

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About Ademize

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Ademize Solutions is a US based IT Development & IT Training company committed to provide end-to-end IT Development Solutions and IT Training for becoming best IT Engineer.