

Applied AI for QA Engineers

Move beyond casual prompting and build AI-assisted QA workflows you can explain, evaluate and improve.

LEVEL

Beginner to advanced

FORMAT

Live online

PRICE

€149 one-time

Explore the course and enrol



THE PROMISE

Move beyond casual prompting and build AI-assisted QA workflows you can explain, evaluate and improve.

Understand how modern AI works, compare leading models, run a local model and apply reliable prompting, retrieval and agent workflows to quality assurance.

WHO THIS IS FOR

Manual testers, automation engineers, QA leads and developers who want to use generative AI responsibly in real testing work.

STARTING POINT

Basic software testing knowledge is helpful. No previous AI or coding experience is required.

HOW YOU LEARN

Live interactive sessions, guided assignments and practical work.

ONGOING SUPPORT

WhatsApp group, recordings, study material and continued access after the course.

COURSE EXPERIENCE

Learn live. Practise consistently. Build work you can explain.

WHAT YOU WILL BE ABLE TO DO

Skills you can use, show and explain.

01

Explain the relationship between AI, machine learning, deep learning and large language models

02

Compare GPT, Claude, Gemini and open-source models for different QA tasks

03

Run a local model with Ollama and recognise limits, hallucinations and context constraints

04

Create reusable prompts for test cases, test data, defect reports and log analysis

05

Choose between prompting, retrieval-augmented generation, fine-tuning and agents

06

Build and present an AI agent that turns a work item into reviewed test ideas or scripts

MODULE-BY-MODULE SYLLABUS

A clear path from foundation to practical result.

M01

AI foundations and the model landscape

Understand the essential concepts, compare model choices and run a model locally.

- AI, machine learning and deep learning
- Supervised and unsupervised learning
- GPT, Claude, Gemini and Llama
- Context windows, pricing, openness and model strengths
- Ollama setup with Llama or Mistral
- QA uses such as test design, test data and log analysis

M02

How large language models work

Build a practical mental model of tokens, embeddings, transformers and model controls.

- Tokenisation and embeddings
- Transformers and self-attention
- Query, key and value concepts
- Pre-training and fine-tuning
- Temperature, top-p and token limits
- Consistency, creativity and hallucination risk

M03

Prompt engineering for QA work

Use a repeatable framework to produce more useful, reviewable QA outputs.

- The ICED-TO prompt framework
- Instruction, context, examples, data, tone and output format
- Role prompting and few-shot examples
- Test case and test data generation
- Defect report and risk analysis prompts
- Building a reusable QA prompt library

MODULES 04 TO 04

M04

Retrieval, agents and job-ready application

Move from individual prompts to grounded workflows, tools and a portfolio project.

- Retrieval-augmented generation and fine-tuning
- AI agents, tools, memory and workflows
- LangChain and LlamaIndex concepts
- AI support for Selenium and Playwright automation
- CV, LinkedIn and interview preparation with AI
- Responsible use, verification and data privacy

NEXT / PRACTICAL PROJECT

QA ticket-to-test AI agent

Build a focused AI workflow that reads a realistic Jira-style work item and produces reviewed test ideas or Playwright test scaffolding. You will explain the model choice, prompt design, verification steps and limitations.

YOU WILL PRODUCE

- Model comparison and evaluation notes
- Reusable QA prompt library
- Working ticket-to-test agent workflow
- Project walkthrough with risks and verification decisions

BRING THE LEARNING TOGETHER

QA ticket-to-test AI agent

Build a focused AI workflow that reads a realistic Jira-style work item and produces reviewed test ideas or Playwright test scaffolding. You will explain the model choice, prompt design, verification steps and limitations.

OUTPUT 01

Model comparison and evaluation notes

OUTPUT 02

Reusable QA prompt library

OUTPUT 03

Working ticket-to-test agent workflow

OUTPUT 04

Project walkthrough with risks and verification decisions

SUPPORT THAT CONTINUES

Recordings and practice material stay available in Google Drive. The course WhatsApp group remains open for course-related questions after completion.

AI-QA-01 / YOUR NEXT STEP

Ready to make this skill real?



Review the course page, confirm any questions and enrol securely when you are ready.

SCAN TO OPEN COURSE

COURSE ENROLMENT

Applied AI for QA Engineers

€149 one-time payment

Explore course and enrol securely

01

Live online sessions

01

Daily and weekly assignments

01

Recordings and study material

01

Mentor and coordinator support

Ask a question on WhatsApp