CURRICULUM

AI Testing Course Curriculum

An 8-week course that trains software testers to test AI applications such as chatbots, RAG search and AI agents. Offline classes in Bangalore, or live online classes from anywhere in India.

15	32	8	₹37,000
modules	live hours	weeks	including taxes

Who it is for

- Manual testers and test analysts
- Automation engineers and SDETs
- QA leads and QA engineers on AI features

Before you join

- Working experience in software testing
- No coding needed: Python is taught from zero
- 1 hour a day on weekdays, or 2 hours each on Sat and Sun

Batch timings

Batch	Days	Hours	Length
Weekday	Mon to Fri	1 hour a day	8 weeks
Weekend	Sat and Sun	2 hours a day	8 weeks

Both batches run offline in Bangalore and online for the rest of India.

SYLLABUS

Syllabus: 15 modules, week by week

Four hours of live teaching every week, from Python basics to a full AI release sign-off. The weekday batch adds a 1-hour Friday lab.

WEEK 1 · AUTOMATION BASE		
01	**Python for Testers** Write test code from zero: data types, functions, files and pytest.	4
WEEK 2 · AUTOMATION BASE		
02	**API Testing with Python: pytest and requests** Test REST APIs and validate responses with JSON Schema and Pydantic.	2
03	**Playwright Automation Testing with Python** Build a page-object UI suite with Allure reports.	2
WEEK 3 · AUTOMATION TO AI		
04	**CI/CD for Testers: Jenkins and GitHub Actions** Run your suites in a pipeline inside Docker.	1
05	**AI Test Automation with Playwright MCP** Draft tests with AI, then review and fix them.	1
06	**LLM Testing Basics: How AI Applications Fail** Log hallucination, refusal and drift bugs with reproducible evidence.	2
WEEK 4 · MEASURING QUALITY		
07	**LLM Evaluation: Metrics and LLM-as-a-Judge** Build golden datasets and evaluation suites in DeepEval and Promptfoo.	3
08	**LLM Observability with Langfuse** Trace prompts and answers, and compare prompt and model versions.	1
WEEK 5 · TESTING EACH PART		
09	**RAG Testing and Evaluation with Ragas** Score retrieval quality and answer faithfulness.	2
10	**MCP Server Testing** Write contract and security tests with MCP Inspector and the MCP Python SDK.	2
WEEK 6 · TESTING EACH PART		
11	**AI Agent Testing** Score the task outcome and the sequence of tool calls an agent makes.	3
12	**LLM Performance, Cost and Monitoring** Load-test with Locust, set latency and token budgets, watch for drift.	1
WEEK 7 · SAFE TO RELEASE		
13	**AI Red Teaming and Prompt Injection Testing** Attack AI apps against the OWASP Top 10 for LLM Applications.	3
14	**AI Release Quality Gates and Governance** Set pass thresholds and a release sign-off checklist.	1
WEEK 8 · CAPSTONE		
15	**Capstone and AI QA Interview Prep** Sign off a full AI support agent release, then resume review and mock interviews.	4
Total live hours		**32**

TOOLS

Tools you will learn

AUTOMATION
Python, pytest, requests, Playwright, Playwright MCP, Allure

VALIDATION
JSON Schema, Pydantic

CI/CD
Jenkins, GitHub Actions, Docker

EVALUATION
DeepEval, Ragas, Promptfoo

TRACING
Langfuse

MCP
MCP Inspector, MCP Python SDK

LOAD TESTING
Locust

SECURITY
OWASP Top 10 for LLM Applications

PROJECTS

Nine projects on your GitHub

01 API test suite with schema validation
02 Playwright UI suite with page objects
03 Jenkins pipeline with release gates
04 LLM evaluation suites with pass thresholds
05 RAG and AI agent test sets
06 MCP contract and security tests
07 Red-team findings report
08 Langfuse tracing dashboards
09 Capstone: release sign-off for an AI support agent

MENTORS

Gaurav S

Principal Engineer, 13+ years in industry

LinkedIn: linkedin.com/in/ravishek-kumar-gaurav-56a326126/

Rahul Pandita

AI in Marketing Mentor, 15+ years in marketing

LinkedIn: in.linkedin.com/in/rahul-pandita-marketing

FEE

₹37,000

including taxes

- 32 hours of live classes
- Recordings of every class
- Certificate of completion
- Resume review, mock interviews, referrals

PLACEMENT SUPPORT

Students placed at DXC Technology, Wipro, HCL and HP. We do not promise a job; we help with resume review, mock interviews and referrals until you are interview ready.

Ask about the next batch

hello [at] buildaicareers [dot] com · buildaicareers.com/contact/whatsapp