

# TestProAI

## AI-Powered Software Testing & Automation Curriculum

Future-proof your QA career by mastering AI-powered software testing, Playwright automation, API testing, prompt engineering, AI-assisted debugging, modern testing workflows, and real-world automation projects.

✓ AI Testing	✓ Playwright	✓ API Testing
✓ Prompt Engineering	✓ Real Projects	✓ Career Support

# Program Overview

- Duration: 8–10 Weeks
  - Mode: Online Live Sessions
  - Includes Real-Time Projects
  - Beginner Friendly + Career Transition Focused
  - Interview Preparation + Resume Guidance
  - Weekend & Weekday Batches Available
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## Module 1 – Software Testing Fundamentals

- SDLC & STLC Concepts
  - Types of Testing
  - Functional vs Non-Functional Testing
  - Defect Life Cycle
  - Agile & Scrum Basics
  - Jira Workflow & Bug Reporting
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## Module 2 – API Testing with Postman

- API Fundamentals
  - REST APIs & HTTP Methods
  - Status Codes & Headers
  - Postman Collections
  - API Automation Basics
  - Authentication & Tokens
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## Module 3 – JavaScript Basics for Automation

- Variables & Data Types
- Functions & Loops
- Arrays & Objects
- Async/Await Basics

- DOM Handling
  - JavaScript for Automation Testing
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## Module 4 – Playwright Automation Framework

- Playwright Setup
  - Locators & Selectors
  - Assertions & Waits
  - Cross Browser Testing
  - Page Object Model
  - Data-Driven Framework
  - CI/CD Integration Basics
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## Module 5 – Cypress Automation

- Cypress Architecture
  - Cypress Commands
  - API Testing using Cypress
  - Assertions & Hooks
  - Reporting & Screenshots
  - Framework Structure
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## Module 6 – AI-Powered Testing

- Introduction to AI in Testing
  - ChatGPT for Test Case Generation
  - AI-assisted Bug Analysis
  - AI Test Automation Workflows
  - AI-based Debugging Techniques
  - Prompt Engineering for Testers
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## Module 7 – Modern AI Tools for QA Engineers

- ChatGPT
  - Claude AI
  - Cursor AI
  - GitHub Copilot
  - MCP Servers
  - AI Agents in Testing
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## Module 8 – Git, GitHub & CI/CD

- Git Basics
  - Branching & Merging
  - Pull Requests
  - GitHub Actions Overview
  - CI/CD Concepts for QA
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## Module 9 – Real-Time Project

- Build Automation Framework
  - End-to-End Testing Project
  - API + UI Automation
  - AI-assisted Automation Workflow
  - Reporting & Execution
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## Career Support & Outcomes

- Resume Preparation
- LinkedIn Optimization
- Mock Interviews
- Real Interview Questions
- Career Guidance Sessions

### **Possible Career Roles:**

- AI QA Engineer

- Automation Test Engineer
  - SDET
  - Playwright Automation Engineer
  - AI Testing Specialist
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## Ready to Become an AI-Powered QA Engineer?

Join TestProAI and start your journey into modern software testing with AI.

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