

AI-powered automated testing improves test coverage by generating additional edge-case scenarios that a human tester might overlook. Tools like Selenium IDE with AI plugins or Testim.io can detect element changes, adapt to updated UI structures, and automatically repair broken selectors. This reduces maintenance efforts and prevents test suites from failing when minor UI adjustments occur. AI can also recommend new tests based on historical defects and user behavior patterns, increasing coverage of high-risk areas. Compared to manual testing, AI automation is significantly faster, repeatable, and scalable. Manual testing is error-prone and inconsistent, while AI-driven automation ensures every test is executed the same way each time. Overall, AI dramatically increases reliability, improves accuracy, and reduces testing time.