

# ARCHANA MHANTATI

## Software QA Engineer

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### ➤ Objective:

Seeking a challenging position as a **QA Test Engineer** where I can leverage my skills in **manual and automation testing**, strong **problem-solving abilities**, and keen **attention to detail** to ensure the delivery of high-quality software products. Committed to continuous learning and contributing effectively within a **dynamic and innovative team environment**.

### ➤ Technical Skills:

- **Manual Testing:** Test Case Design & Execution, Defect Life Cycle Management, Levels of Testing, Testing methodologies, Functional, Regression, Smoke, Sanity, UAT, Cross-Browser Testing, Agile Model, Microsoft Excel
- **Automation Testing:** Selenium WebDriver, TestNG, Cucumber BDD, Maven, Page Object Model (POM), Data-Driven Testing, TestNG Reports
- **Programming:** Core Java (OOPs, Collections, Exception Handling, Data Structures)
- **API Testing:** Postman, REST Assured (Request/Response Specification, JSON/XML validation)
- **Database :** MYSQL
- **Test Documentation:** Test Case Writing, Test Scenario Design, Defect Reporting in Jira and MS Excel
- **Version Control Tools :** Git, GitHub
- **Methodologies:** Agile (Scrum), SDLC, STLC

### ➤ Work Experience:

#### **Junior QA Engineer – CES Ltd (Aug 2023 – Oct 2024)**

- **Projects - Matrimony Utsav & DatingCry**
  - Analyzed business requirements and created **test scenarios, test cases, and test data** for functional and integration modules.
  - Performed **manual testing** for UI validation, functional flow, and user experience across multiple browsers and devices.
  - Developed and executed **automated test scripts** using **Selenium WebDriver, TestNG, and Java** to validate end-to-end application functionality.
  - Implemented **Page Object Model (POM)** and **Data-Driven Framework** for better script reusability and maintainability.
  - Used **Excel** files for parameterization and maintained **test data** for automated and manual testing.
  - Performed **Regression, Smoke, Sanity, and User Acceptance Testing (UAT)** to ensure product quality.
  - Reported and tracked **defects** using **Jira**, verifying fixes and performing **re-testing**.
  - Participated in **Agile Scrum** ceremonies - daily stand-ups, sprint planning, and retrospectives.

- Generated **Extent Reports** for automation results with detailed execution logs and screenshots on failure.
- Collaborated with developers and business analysts to understand requirements and improve test coverage.
- Ensured **cross-browser compatibility testing** and validated responsive design on multiple devices.
- Supported **Continuous Integration (CI)** setup with **Maven/Jenkins** for automated test execution.
- Contributed to **test documentation** such as test summary reports, requirement traceability matrix, and bug reports.

➤ **Personal Projects:**

**Automated E-Commerce Websites such as *Orange HRM, Saucedemo, Flipkart, Make My Trip, Indian railways-IRCTC etc.***

- Automated web applications using Selenium WebDriver with TestNG framework to enhance test efficiency and accuracy.
- Applied OOP concepts in Java (encapsulation, inheritance, polymorphism, abstraction) and used Collections Framework for optimized test scripts.
- Implemented Cucumber BDD and Page Object Model (POM) for scalable, maintainable, and reusable automation frameworks.
- Enhanced test automation framework with robust XPath and CSS locators, resulting in a 25% reduction in test maintenance efforts and minimizing false negatives.
- Configured TestNG XML for suite management, test grouping, prioritization, and automated reporting of execution results.
- Carried out behavior-driven development (BDD) practices using **Cucumber** framework, developed feature files and **step definitions** in Gherkin syntax to define test scenarios and automate test cases, Utilized Cucumber's **tagging** feature for selective test execution and reporting.
- Implemented a robust element identification system using diverse locators such as ID, class Name, and X path types, enhanced automation testing efficiency by 40% and reduced manual inspection time by 15 hours weekly.
- Implemented **implicit and explicit waits** in Selenium WebDriver for synchronization, and efficiently handled **pop-ups, iframes, list boxes, and user interactions using Actions class.**

➤ **Education:** Master of Science in Mathematics from Solapur University (2021-2023)