

Keerthana J K

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PROFILE SUMMARY

- Proficient in **Software Testing** with hands-on experience in **Manual and Automation Testing** covering web applications and APIs.
- Strong understanding of **Software Development Life Cycle (SDLC)**, **Software Testing Life Cycle (STLC)**, **Agile methodologies**, and **Scrum framework**.
- Skilled in **Test Planning**, **Test Case Design**, **Test Execution**, **Bug Tracking & Reporting**.
- Experienced in **Functional**, **Integration**, **Regression**, **Smoke**, **Sanity**, and **User acceptance test**.
- Proficient in **Core Java** concepts including OOPs principles (Inheritance, Polymorphism, Encapsulation, Abstraction), **Collections**, **Exception Handling** and **Java-based automation scripting**.
- Hands-on experience in **Automation Testing** using **Selenium WebDriver**, including element **locators**, **XPath**, **dropdown handling**, **frames**, **windows**, **actions**, **synchronization techniques**, **alerts**, **pop-ups**, **capturing screenshot** for reporting and reusable methods.
- Hands-on experience in **Data-Driven Testing**, **Cross-Browser Testing**, and **Parallel Testing**.
- Knowledge of **TestNG**, **Page Object Model (POM)**, **Hybrid Frameworks**, **Maven**, and automation project execution.
- Skilled in **API Testing** using **Postman**, covering GET, POST, PUT, PATCH, DELETE methods, authentication & authorization, and API response validation.
- Experienced in **Playwright** for modern web automation, enhancing **cross-browser testing**, **element locator**, **headless execution**, **screen recording**, and **validation commands**.
- Basic exposure to **Jenkins**, **Git**, **GitHub**, and **Postman** for API testing.

TECHNICAL SKILLS

- **Programming:** Java, HTML, CSS, SQL.
- **Automation Testing & Frameworks:** Selenium WebDriver, TestNG, Playwright, Page Object Model (POM), Maven, Grid, Cross Browser, Data Driven Testing.
- **Manual Testing & QA:** Manual Testing, Regression Testing, API Testing, Agile Testing, SDLC & STLC, Test Planning & Execution.
- **Tools & Platforms:** Eclipse, Jenkins, Git/GitHub, Postman.

PROJECTS

- 1. Factorial – Web App Automation:** Sept - Oct 2025
- Automated end-to-end testing of the Factorial Calculator Web App using **Selenium WebDriver, Java, and TestNG**.
 - Designed and executed test cases to validate factorial calculations for various input.
 - Implemented **Page Object Model (POM)** for reusable and maintainable code.
 - Performed **cross-browser testing, parallel execution**, using TestNG.
 - Efficiently handled **test data** and ensured accuracy of factorial results across multiple browsers and input conditions using Data Driven Testing in Excel.

Technologies & Tools: Selenium WebDriver, Java, TestNG, Maven, Page Object Model, Excel, Eclipse

- 2. Playwright Automation – Modern Web App Testing:** Oct - Nov 2025
- Developed automation scripts for testing the **Automation Course** app using **Playwright with Java**.
 - Created standalone Java test files to validate key functionalities such as **user registration, login/logout, and course management**.
 - Performed testing in **headed mode** with **slow motion execution** for debugging.
 - Strengthened understanding of **Playwright locators, synchronization, and browser handling**.

Technologies & Tools: Playwright, Java, Maven, TestNG, Page Object Model (POM), Cross-Browser Testing

INTERNSHIP CERTIFICATION

- GrowSkill IT – Software Testing** July 2025 – Nov 2025
- Gained hands-on experience in **Manual & Automation Testing** using **Selenium WebDriver, Playwright, Java, and TestNG**.
 - Developed and executed **test cases for functional, regression, and API testing**.
 - Worked with **bug tracking, Postman for API validation**, and implemented **POM & Maven frameworks**.
 - Participated in **Agile sprint-based projects**, contributing to real-time test execution and reporting.

EDUCATION

- B.Sc. Computer Science** 2020 - 2023
- Gonzaga College Of Arts and Science for Women
- CGPA: 8.5