

# NIDHI TIWARI

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## SUMMARY

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Programmer Analyst with **2 years** of experience in **test automation** and **agile methodologies**. Enhanced code quality using **AI-assisted tools**. Improved defect detection rate by **25%** by prioritizing test cases based on criticality metrics.

## EXPERIENCE

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### Cognizant Technology Solutions

Programmer Analyst

Chennai, Tamil Nadu / Hyderabad, Telangana

#### December 2024 - December 2025

- Spearheaded the creation of **150+** automated test scripts using **Selenium**, covering critical user flows and edge cases, which reduced manual testing efforts by approximately **40 hours** weekly.
- Enhanced code quality through reviews and AI-assisted tools like **Copilot**.
- Took ownership in preparing and refining a scalable **Page Object Model (POM)** framework, achieving a **40%** reduction in maintenance time and boosting reusability across **150+ test suites**.
- Spearheaded test case planning and prioritization leveraging **criticality metrics**, resulting in a **25%** higher defect detection rate within tighter testing windows.
- Used **Jenkins** to run automated tests and **SonarQube** to monitor code quality
- Took the initiative to design reusable utilities for common web actions, driving a **30% reduction** in code duplication.
- Partnered closely with developers and QA team members to perform **root-cause analysis**, validate **bug fixes**, and strengthen defect detection and resolution efficiency across release cycles.
- Collaborated with cross-functional teams to coordinate **Agile ceremonies** and **client review sessions** ensuring complete test coverage for 10+ new features per release.

#### January 2024 - November 2024

- Leveraged **Playwright automation framework**, improving test reusability and cutting maintenance by **30%**.
- Implemented **Page Object Model (POM)** framework, reducing regression time by **35%** and increasing test coverage
- Utilized **Jenkins CI/CD**, enabling continuous testing and accelerating feedback by **40%**.
- Performed root-cause analysis to identify defects early, boosting detection efficiency by **25%**
- Collaborated with Agile teams on requirements, test planning, and sprints to deliver faster, high-quality releases.
- Enhanced code quality through AI tools like **Cursor and Copilot**.

### Cognizant Technology Solutions

Programmer Analyst Trainee ( *INTERN* )

Sept 2023-Dec 2023

Chennai, Tamil Nadu

- Mastered Java fundamentals and object-oriented programming principles; increased code quality by 15% through rigorous application of unit testing strategies.
- Engineered end-to-end test automation framework using **Selenium WebDriver** and Java, resulting in 40% higher test coverage across the Urban Ladder platform.

## EDUCATION

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### CHANDIGARH UNIVERSITY

Master of Computer Application

Chandigarh, Punjab

2021-2023

### VIDYAPITH

Bachelor of Computer Application

Varanasi, Uttar Pradesh

2018-2021

## SKILLS

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**Programming Languages:** Java

**Automation and Testing Tools:** Selenium WebDriver, Playwright, Postman

**Testing Frameworks:** TestNG, JUnit, Cucumber, BDD, POM, Data-Driven & Hybrid Frameworks

**Build CI/CD Tools:** Maven, Jenkins, Git, GitHub, CI/CD Pipeline Integration

**Code Quality and Coverage:** SonarQube

**Project Management and Agile:** Jira, Agile (Scrum), Confluence