

# NEHAL SINGH PARMAR

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## Experience

### Reliance Jio

June 2023 – running

Test Engineer Device

Navi Mumbai, Maharashtra

- Designed and implemented automated test scripts using Selenium and Java within the Page Object Model (POM) architecture, resulting in a 100% reduction in manual testing effort.
- Conducted comprehensive performance testing, analyzing system scalability and reliability under varying load conditions, leading to the identification and resolution of critical performance bottlenecks.
- Developed and executed automated API test scripts, ensuring the validation of endpoints and maintaining data integrity and security standards.
- Investigated and reported software defects, working closely with development teams to troubleshoot and resolve issues promptly.

Graduate Engineer Trainee

June 2022 – June 2023

- Actively maintained and updated the automation code base, ensuring code integrity, readability, and scalability.
- Acquired proficiency in Selenium and Java programming languages through self-directed learning and hands-on practice
- Collaborated with team members to design and implement automated test scripts for API testing, contributing to the overall quality and reliability of the software product.
- Participated in code reviews and debugging sessions, identifying and resolving issues to improve overall code quality and efficiency.

## Education

### NIT Warangal

2018 -2022

Bachelor of Technology in Computer Science and Engineering

Warangal, Telangana

## Relevant Coursework

- |                   |        |                       |                        |
|-------------------|--------|-----------------------|------------------------|
| • C++             | • OOPS | • SQL                 | • DevOps               |
| • Data Structures | • Java | • Database Management | • Software Engineering |

## Technical Skills

**Test Automation Tools:** Java, Selenium, POM Model

**API Testing:** Postman, JMeter, MQTT Box

**Test Methodologies:** Agile Testing, Waterfall, Acceptance Test-Driven Development (ATDD), Behavior-Driven Development (BDD), TDD, Functional Testing, Smoke Testing, Sanity Testing, Regression Testing

## Projects

JIO Xplor | Java, Selenium, Portal Testing, App testing, API Testing

Aug 2022 and running

- Developed a robust and comprehensive automated script for the entire Jio Xplor portal, enabling efficient and reliable tracking of devices
- Utilized Java in conjunction with Selenium WebDriver to ensure seamless interaction with web elements and facilitate smooth automation processes
- Adopted the Page Object Model (POM) design pattern to enhance code readability, maintainability, and reusability, ensuring a modular and scalable test automation framework.

JioHumsafar | Java, Selenium, API, Portal

Aug 2022 and running

- Performed thorough API testing to validate integration points, ensuring robust data communication and functionality between the portal and backend systems.
- Conducted comprehensive portal testing to ensure seamless performance and user experience, identifying and resolving critical bugs and performance issues.
- Developed and automated scripts for the Jio Humsafar Portal using Java and Selenium within the Page Object Model (POM) framework, enhancing the efficiency and reliability of vehicle tracking functionalities.

## Leadership / Extracurricular

- Led the project, overseeing the development and testing of the Jio Xplor Portal, ensuring timely delivery and optimal performance of the tracking location
- Cricket, Chess