

# SURAJ BHALERAO

QA Automation Engineer

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portfolio

## PROFILE SUMMARY

Automation Test Engineer with 1.5 years of hands-on experience in Java-based Selenium automation. Strong expertise in designing scalable TestNG frameworks, automating end-to-end UI regression, and validating backend APIs using Postman. Experienced with CI integration using GitHub Actions and developing Python utilities to automate device log collection and improve test reliability.

## EXPERIENCE

### Automation Test Engineer

Accolade Electronics Pvt Ltd

Aug 2024 – Present

- Designed and developed a data-driven TestNG automation framework to validate real-time ATCU device data received through APIs.
- Automated end-to-end UI regression workflows using Selenium WebDriver, reducing manual regression effort and improving release confidence.
- Performed backend API validation using Postman to ensure data consistency and correct system integrations.
- Built a Python-based utility to extract and upload ATCU device logs, automating scheduled uploads using CRON.

## PROJECTS

### Web Automation

Sept 2024 – Present

Tech Stack: Java, Selenium WebDriver, TestNG, Maven, GitHub Actions

- Developed a modular and scalable Selenium automation framework following Page Object Model and Factory design patterns.
- Implemented TestNG listeners for retry logic, automatic screenshot capture on failures, and centralized logging using Log4j.
- Integrated automation runs with GitHub Actions for scheduled and on-demand CI execution.
- Improved defect detection by approximately 30 percent through consistent regression execution and structured reporting.

### Log Extraction and Upload Utility

Oct 2024 – Feb 2025

Tech Stack: Python, OneDrive API, Shell Script, Raspberry pi, Rclone

- Built a desktop utility to automate real-time log extraction from ATCU devices over serial communication with IMEI-based organization.
- Implemented automatic serial port detection, fallback handling, and ANSI sequence removal for clean log output.
- Designed a macro execution engine to run scripted serial commands with controlled delays.
- Added robust exception handling and disconnection monitoring to ensure reliability during unstable hardware interactions.

## EDUCATION

### Bachelor of Engineering

Jaihind College of Engineering

July 2023

GPA: 8.5

## TECHNICAL SKILLS

- Programming Languages: Java, Python
- Automation Testing: Selenium WebDriver, TestNG, Page Object Model
- API Testing: Postman, RestAssured
- Build CI/CD: Maven, GitHub Actions
- Version Control: Git, GitHub
- Test Management: Jira
- Other Tools: WinSCP, AWS S3

## CERTIFICATIONS

- Oracle Gen-AI Professional – Oracle
- Java Full Stack Developer – Anudip Foundation

## MINOR PROJECTS

- Orange HRM web automation
- Full website API automation in postman

## SOFT SKILLS

- Problem Solving
- Clear Communication
- Quick Learner