PRIYA SINGH

SOFTWARE ENGINEER

✉ priyasinghchgs@gmail.com 📞 +91 9555485770 in LinkedIn ⭘ GitHub

Summary

Results-driven and proactive Software Engineer specializing in Java-based test automation and full-stack development. Proficient in Selenium, TestNG, and CI/CD tools, with a proven ability to deliver robust, data-driven software solutions and a passion for machine learning applications.

Education

JSS Academy of Technical Education, Noida — *Nov 2021 - July 2025*
Bachelor of Technology in CSE + Data Science
CGPA: 8.4 / 10.0

Experience

Cognizant Technology Solutions — *April 2025 - Present*
Programmer Analyst Trainee
- Engineered and executed over 50 automated test scripts using Selenium and Java, which increased test coverage of core functionalities by 40% during the training module.
- Orchestrated CI/CD pipelines using Jenkins and Docker, automating build and deployment processes which reduced manual intervention time for test environments by an estimated 30%.
- Executed comprehensive API testing on over 25 distinct endpoints using REST Assured and Postman, identifying and documenting 10+ critical bugs within an Agile sprint framework.

Girls Script Summer of Code 2023 (GSSoC'23) — *May 2023 - Aug 2023*
Open Source Contributor
- Engineered 5+ responsive web application features using JavaScript and SCSS, merging 12 pull requests that directly enhanced the user interface and overall site navigation functionality.
- Collaborated within a 15-member international team to refactor legacy code, improving the website's Lighthouse accessibility score from 75 to 92 for a more inclusive user experience.

Projects

CarWash Services - Automation Framework — *GitHub ↗*
Java, Selenium WebDriver, TestNG, Cucumber, Maven
- Architected a scalable automation framework using Java and Selenium WebDriver, implementing the Page Object Model to increase code maintainability and reduce script update time by 40%.
- Automated over 60 critical end-to-end test cases covering user authentication and payment gateways, achieving a 95% test coverage rate for core application features.

Legendary Cricketer Classifier — *GitHub ↗*
Python, Machine Learning, OpenCV, Flask, Scikit-learn
- Deployed a user-friendly Flask web application for real-time image classification, leveraging OpenCV for feature extraction from a dataset of over 1,000 images.
- Engineered and trained a Support Vector Machine (SVM) model using Scikit-learn, which achieved a 94% classification accuracy on a held-out test set of 200 images.

Technical Skills

Languages: Java, Python, C, SQL, JavaScript, HTML, CSS/SCSS
Automation/DevOps: Selenium WebDriver, TestNG, Cucumber, Maven, Docker, Jenkins, Postman
Libraries/Frameworks: Flask, Bootstrap, Apache POI, OpenCV, Scikit-learn, Pywt
Databases: MySQL, MongoDB
Tools: Git, IntelliJ IDEA, VS Code, Eclipse, Jupyter, Figma

Achievements & Certifications

Qualified GATE 2024 in Computer Science — *2024*
3rd Place Winner, SDG HACK-A-THON (24hr offline) - IIIT Delhi
Published Research Paper: "Deep Transfer Learning for Fruit Freshness Assessment"
Certified in Python 3.4.3 Training - IIT Bombay

Leadership & Extra-Curriculars

Vice Lead, Coding Ninjas Club — *Oct 2023 - Current*
- Spearheaded campaigns for 10+ coding events, successfully boosting monthly student participation and engagement in competitive programming activities by over 40% campus-wide.
- Led a team of 8 coordinators to execute a 24-hour hackathon for 200+ participants, managing logistics and securing sponsorships that covered 100% of event costs.