SHASHANK S SHETTY

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BRIEF SUMMARY

Detail-Oriented Python Testing Engineer & Versatile Full-Stack Developer with DevOps practices. Skilled in writing efficient, maintainable test scripts using Selenium, WebDriver, and Pytest to ensure software reliability and performance. Proficient in Python, JavaScript, SQL, and test automation frameworks. Hands-on experience in CI/CD pipelines, Docker, Jenkins.Strong problem-solving abilities with a passion for optimizing workflows and improving software quality.

EDUCATION

Presidency University | BE Computer Science and Engineering (DevOps) | CGPA: 7.17/10	2021-2025
VVS Sardar Patel PU College | 12th Department of Pre-University Education | Percentage: 82.16 / 100	July 2021
MES Kishore Kendra | 10th | Karnataka Secondary Education Examination Board | Percentage: 91.36 / 100	April 2019

SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS
Testing & Automation: Selenium, WebDriver, Pytest, Unit Testing
CI/CD & DevOps: Jenkins, Docker, Git, GitHub Actions
Frameworks: React.js, Node.js, Express.js
Databases: MongoDB, MySQL
Tools & Technologies: Visual Studio Code, Postman, REST APIs
Core Competencies: Agile/Scrum, Debugging, Test Automation, Problem-Solving, Team Collaboration

PROJECTS

TransactTest| Selenium, Python,WebDriver,Pytest
- Developed an **automated test suite** for an **e-commerce platform**, ensuring seamless functionality across multiple browsers.
- Implemented test scripts to validate critical user flows: **product search, cart management, checkout, and payment processing** using **XPath and CSS selectors**.
- Integrated **Selenium Grid** for parallel test execution, significantly improving test efficiency and reducing execution time.

Online Voting System using Blockchain | React.js, Express.js, Node.js, MongoDB
- The Online Voting System Using **Blockchain** is a secure and transparent application built with the MERN stack,integrating blockchain technology
- Provides features for **voter registration**, **real-time vote casting**, **result verification**, and **face recognition-based voter authentication.**
- Performed manual testing using **Postman** to validate end-to-end **Flask API endpoints**, including registration, vote casting, result verification, and error handling.
- It maintains data integrity by ensuring a tamper-proof and fraud-resistant voting environment,fostering trust and accountability.

Avoid Cash Crop Loss|React.js, Node.js, Express.js, MongoDB, Decision tree model
- Designed a **data-driven machine learning model** using **Python** for predicting crop disease patterns and preventive strategies.
- Built a **full-stack web application** with a user-friendly interface, integrating decision tree-based disease prediction.
- Implemented API testing and **unit testing** for backend endpoints to ensure accuracy in data processing.

CourseCraft|HTML, CSS, PHP, MySQL
- Designed a user friendly website built using **HTML,CSS** which boosts a clean and accessible interface for student, instructor and admin.
- **PHP** acts a is server side scripting handling data management for courses, enrollments and user information.
- **XAMPP**, a local development server along with MYSQL database with XAMPP securely stores the data.

CERTIFICATIONS

- Python Programming by CodeChef
- DevOps with Jenkins by Great Learning

PUBLICATIONS

"Avoid Cash Crop Loss: A Machine Learning-Driven Approach to Enhancing Agricultural Practices", *International Journal of Research and Analytical Reviews (IJRAR).*Paper ID: IJRAR-304373. www.IJRAR.org

ACHIEVEMENTS

- **Community Outreach Coordinato**r for the DevOps Club, focusing on knowledge sharing and skill development.
- Recognized for exceptional contributions to improving CI/CD pipelines during a tech workshop.