

TEJASWINI CILUVERU

+1 (716) 818-9628 | tejaswiniciluveru@outlook.com | linkedin.com/in/tejaswini-48a88822a/ |

github.com/TejaswiniCiluveru/Selenium_tejaswini_project1.git

PROFESSIONAL SUMMARY

- **4.5 years** of experience in Automation Testing and Quality Assurance, with a proven track record of achieving a 60% reduction in issues through robust test strategies and automation frameworks.
- Developed and executed Integration scripts using **Cypress** ensuring that large datasets and multiple interactions were properly validated for scalability, Used **Selenium** with **Java** for E2E testing, used frameworks like **XCTest** & **Espresso** for mobile automation.
- **Postman** for **APITesting** and Skilled in **load, endurance, and scalability testing** with **JMeter**, **DB testing** with **SQL**.
- Experience in **Java, Python, JavaScript** with expertise in **ReactJS** with **Redux** for development, and proficient in **Cucumber, Jest with Enzyme, Docker, Linux, Git, Maven, JSON, Jira** and Strong knowledge of **OOP principles**.
- Wrote comprehensive test plans, and resolved pipeline automation issues through **log analysis** and **debugging**. Collaborated with teams and stakeholders in **Agile** environment.
- Developed user stories in ReactJS, utilizing **React hooks** for managing state and lifecycle events, simplifying complex component logic, and improving code maintainability. Conducted database testing using **SQL**, validating changes in code patterns, **URL** requests, payload and streamlined **Testing pipelines**.
- Knowledge in System Design, **AWS** (EC2, S3) for deployment and **DevOps tools** like Jenkins and Azure, with database expertise in **Neo4J, Oracle, SQL Server**.
- Skilled in **Machine Learning, Data Science**, with knowledge of **NLP, PowerBI, ETL pipelines, supervised/unsupervised learning, PowerBI** and **statistical methods**. Proficient in **data visualization** using **Tableau**.
- Proven track record of employing data-driven approaches, identify patterns and solve future problems, increase process efficiency and product quality, including knowledge of **Data Mining**.
- A problem solver with a commitment to quality, adaptability, and a passion for emerging technologies to enhance product reliability.

EDUCATION

University at Buffalo - SUNY

January 2023 - May 2024

Master's, Data Science

GPA: 3.5

- Python, SQL, R, MATLAB, Machine Learning, Tableau, ETL pipeline, Natural Language Processing, Machine Learning, Probability, Statistical methods, Supervised and unsupervised learning, Neural Networks, Data Structures, Algorithm analysis, Data visualization, Tableau, PostgreSQL, DMQL

VNR Vjiet

August 2015 - April 2019

Bachelor's, Civil Engineering

GPA: 8.3

- C Language, Python, Statistical methods, Calculus, Java, AutoCAD, Structural Analysis, Algebra.

TECHNICAL STRENGTHS

- **Automation Testing:** Selenium, Selenium IDE, Cucumber, JMeter, Appium, Postman, Jest & enzyme, Playwright, Cypress, SOAPUI
- **Programming Languages:** Python, JavaScript, R, Java, SQL, data structures and algorithms.
- **Web Development:** React.js, Redux, XML, CSS, HTML, Node JS, JSON.
- **Performance Testing:** JMeter, Load Testing, Scalability Testing.
- **Operating Systems and Scripting:** Windows OS, Linux/UNIX, Shell Scripting.
- **Cloud Computing:** AWS (EC2, S3, MongoDB), Azure, AWS.
- **Data Science and Machine Learning:** Data Analysis, ML, Statistical Modelling, Neural Networks, Data Structures.

PROFESSIONAL EXPERIENCE

Hexagon capability center India

India

Senior software Engineer(SDET)

September 2018 - January 2023

- Designed and executed integration tests using Cypress with mocha by leveraging mock data with large datasets and multiple interactions to validate every scenario/features for scalability and ensuring the system could handle varied inputs, cross module functionality without performance degradation, used Selenium with Java for E2E Testing with cucumber BDD approach, XCTest using Swift for Ios Mobile Automation, and Espresso & UIAutomator for Android automation.
- Written extensive Postman scripts for API Testing aligned with the automation scripts and generated dynamic mock data and updated all the respective mock data files used for integration scripts.

- Developed Automation framework and pipeline scripts to integrate postman scripts and automation tests in daily build, ensuring successful execution by monitoring logs and proactively resolving high priority issues as they rise due to new changes.
- Experienced in developing user stories in React.js, utilizing lifecycle methods and hooks for optimized component rendering, state management with Redux, and API integration. Skilled in performance enhancement, debugging, deployment with Docker, and collaborating with cross-functional teams for efficient UI development and knowledge sharing.
- Designed test scenarios for cross-browser, parallel testing, Data driven testing. Created reusable components to enhance test automation framework
- Expert in using Linux commands to check and verify the logs and troubleshoot issues, adept with windows server for managing configurations, upgrades, deployments
- Deploying the builds in dev environment & test environment for Acceptance testing and created mock servers for automation.
- Worked on DB testing using SQL, monitored changes in code patterns, URL requests, payload handling, model rendering with large datasets, Conducted white-box, black-box, and regression testing. Provided actionable insights to improve efficiency
- Leveraged Apache JMeter to conduct performance and scalability testing, creating detailed performance metrics and optimizing product performance based on testing outcomes.
- Designed the Automation testing framework and enhanced the feature by using appropriate locators and waits to reduce the time taken to load the components.
- Created test scripts using the requirement traceability matrix, incorporating cross module functionalities, impact areas, future scope, boundary conditions, large data testing, cross modules, positive & negative cases, decision trees, following six sigma principles to Ensure quality, compliance and reliability with industry standards and used them for automation.
- Developed and performed automated test suites for iOS applications with XCTest, utilizing XCTestCase, XCUITest frameworks to evaluate UI flows, performance metrics, and application behavior across several iOS versions and device emulators. Parallel test execution was implemented to optimize test run times, with findings integrated into CI/CD pipelines
- Using Espresso and UIAutomator, I have configured Android Studio with custom AVD to automate end-to-end testing across Android versions and hardware profiles. collect performance metrics, and handle complicated movements like as swipes, pinch, hold, drag and drop and multi-touch for realistic user scenarios.
- Written several Unit Test's and worked with SDET Lead to define execution strategy and create legacy features.
- Comply to the Team's definition of Done by Ensuring Automation tests, postman tests performance tests are continuously updated to align with each other and update them with development changes.
- Conducted code reviews for basic development stories, postman, UI automation and integration scripts also had one on one customer interaction to know their insights and update stories to Ensure high-quality testing for both client and mobile devices
- File observations on JTS / Azure DevOps as an output of QA, does root cause analysis for every issue and update quality metrics, automation & manual scripts, maintaining large testing data
- Managed project timelines, resources, risks, collaborated with team to design framework, optimize workflows to mitigate risk

PROJECTS

Analyse shopping trends

New York, NY, USA

- Analyzing shopping trends using structured relational database sending the email to the customers about coupons which they can redeem by using triggers once they bill reach certain amount.

Image Classification with Convolutional Neural Networks

New York, NY, USA

- I used CIFAR dataset containing 60,000 images, divided into 10 classes, used CNN with 3 deep layers and SGD optimizer, used 80% training data and 20% testing data done hyperparameter (epochs, different layers of CNN, SoftMax function) tuning drafted accuracy
- [Link to project](#)

Hospital management System

New York, NY, USA

- Developed a Java enterprise healthcare management application using Spring Boot and Spring Data JPA for seamless database interactions with PostgreSQL, managing data for 50,000 users, showcasing skills in Database and Systems Design.

MASTERS

- Worked on numerous projects on advanced topics of python.
- Gained expertise in MySQL, Data Structures, Data Analysis, Data Visualization, R, MATLAB
- Worked on a project in SQL based on triggers, multivalued dependency.
- Created Visual dynamic dashboards using PowerBi, Tableau
- Worked on many statistical projects which includes data collection doing **exploratory Data analysis** and removing the outliers, cleaning data and analyzing with different models.
- Building different machine learning models.

- Worked on many machine learning models in R and jupyter notebook which includes collecting the dataset performing all the machine learning models like regression, decision trees, SVM, Clustering and concluded which is better based on Accuracy, Recall, Precision, F1 score, MSE etc.

CERTIFICATIONS

- Complete Python Bootcamp from Zero to Hero in Python in Udemy.
- React.js Complete Course from Udemy.
- Google Advanced Data Analytics from Coursera

AWARDS

- Received two Pat on back awards for managing Automation and QA activities simultaneously and identifying corner use cases.
- Recieved One Pat on Back for extensively working on development stories and completing in the stipulated time