

# SIVA VENKATA PRASAD PATTA

## Python Automation Engineer

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🌐 <https://sivavenkat007.github.io/Portfolio/>



## PROFILE SUMMARY

- A Python Engineer with 4.5 years of Experience Specializing in software Automation Testing, with a strong focus on enhancing software applications and fixing bugs across diverse industries.
- Currently working as Senior Software Test Engineer at Votary Softech Solutions Pvt. Ltd., responsible for requirement analysis, writing effective test cases, and performing functional testing, regression testing, and re-testing.
- Proficient in executing tests, recording results, generating testing reports, and tracking defects, while demonstrating a strong knowledge and understanding of software testing methodologies and best practices.
- Skilled in a variety of testing tools and technologies, including Python, Pytest, API(REST), Playwright, Selenium and Appium, enabling the delivery of comprehensive and accurate testing solutions.
- Proficient in Hardware and Software Troubleshooting and Problem Determination/Resolution.
- Experience on bug fixing for RPM Packages, Open-Source Software Packages. Building and Writing Test Scripts using Shell and Executing the Tests on Target Hardware.
- Experience In Branching, Tagging and Maintaining the Version Across the Environments Using SCM Tools Like Git, Gitlab, GitHub and Subversion (SVN) On Linux and Windows Platforms.
- Good documentation skills with the ability to meet project deadlines and can work in a cross functional environment.
- Possessing excellent communication, analytical, decision-making, problem-solving, and leadership skills, with a customer-centric approach to software testing and project management. both manual and automation
- Seeking to induce my invincible desire to learn, improve and develop myself and my work environment of an organization with a similar field of interest and working areas. Always willing to relocate with new challenges and environments.

## CARRER HIGHLIGHTS

- Successfully executed software testing projects, ensuring high-quality deliverables and client satisfaction, using the STAR methodology (situation, task, action, result) to validate expertise.
- Developed and implemented automation scripts using Python and Appium, resulting in improved efficiency and accuracy of testing processes on (Android/IOS) Devices.
- Successfully led a team of six software testers, effectively managing and coordinating their activities, and ensuring high-quality deliverables.
- I also have working experience on cloud-based Environment (DevOps) with tools like Jenkins and Docker.
- Improved testing efficiency in the current role through the implementation of automation scripts and continuous improvement initiatives.
- Recognized for exceptional problem-solving abilities, consistently identifying and resolving software defects to ensure the delivery of high-quality products to clients.
- Experience in working with Continuous Integration/Continuous Deployment Jenkins (CI/CD) pipelines.

## EXPERIENCE

### Senior Software Test Engineer | Votary Softech Solutions Pvt. Ltd., India / Project: Votary Test Automation Tool (VTAT) & DCCONNEX VOIP APPLICATION

April 2023 – Present

- Developed Python Automation Scripts for testing various cross platform devices (Ex: Android, IOS, Raspberry PI, Intel Grove Indoor Environment Kit for Edison, HVPM Tool) and integrated into VTAT Tool for testing.
- Actively participating in daily scrum meetings and weekly/daily status calls with the client, ensuring clear communication and project progress.
- Developed a docker test environment for testing Android and IOS testcases for testing DCCONNEX application as a package manager to ease the test setup process.
- Developed and implemented automation scripts using Python and Appium, resulting in improved efficiency and accuracy of testing processes for DCConex application on Android and IOS device.
- Demonstrated strong problem-solving skills, identifying, and resolving defects in software applications, ensuring high-quality deliverables.

### Software Engineer | Votary Softech Solutions Pvt. Ltd., India / Client: Qualcomm India Private Limited / Project: Android Stability Testing

April 2022 – Mar 2023

- This project involves Android Stability Testing on Qualcomm Targets where all functionalities are tested related to Multimedia, WIFI on latest Android builds.
- Responsible for analyzing requirements, writing effective test cases, and conducting functional testing, regression testing, and re-testing.
- Developed test scripts for DPAF test frameworks and enhancements, performed testing, and debugged customer-reported issues.

- Conducted sanity testing, stability testing, and regression testing.
- Created a CI/CD pipeline for the automated tests using Jenkins.
- Raised bugs, filed CRs, and performed CR verification and regression.
- Worked on log collection using QXDM, QPST, and performed S1(basic) analysis.
- Configuring and maintaining 5G NR Stations in the cloud.
- Collaborated with the team to track build-to-build issues and reported findings.

#### **Full Stack Python Engineer | One Planet Rating, Sweden.**

Aug 2020 – April 2022

- OPR is a Web-based Travel services start-up in Sweden.
- Being an automation developer in a start-up, I got excellent opportunities to gain experience in various technologies and get to be working on both Frontend and Backend development.
- Worked in a test case development team of OPR new Website and Data Integration.
- Involved in developing HTML/CSS and JavaScript for website front end to make it more responsive and user friendly.
- As a automation engineer I was also involved in developing test cases to verify the functionality of the website using selenium tool.
- Technologies used for web development Python, Django Framework, REST API, Html/CSS, and JavaScript.
- Used Subversion control tool to coordinate team-development.

#### **Mobile Application Tester | One Planet Rating, Sweden.**

Jan 2020 –Jul 2020

- Work as part of a team as well as working autonomously.
- Contribute to improvements to the App Development for both Android and iPhone.
- Developing, documenting, and testing case management solutions.
- Deploying applications, monitoring their performance, and maintaining them in production.
- Technologies used for development React Native, Redux, JavaScript, Python, Android studio, Apple XCode, iTunes Connect, Visual Studio App Centre (mobile Devops).
- Developed automation test cases to verify the general functionality of the application using Python and Appium.
- Coordinated and delegated team tasks and monitored completion to drive efficiency.

#### **Software Intern | Krify Software Technologies Private Limited, India.**

Mar 2018 – Aug 2018

- I have done my internship on “DATA ANALYTICS & MACHINE LEARNING” using PYTHON language.
- During this period, I learned to develop artificial neural networks using TensorFlow and Keras.
- Designed and Evaluated A/B tests using T-tests and P-Values. Classified data using K-means clustering, Support vector machines (SVM), KNN, Decision Trees, Navie Bayes, and PCA.
- Using K-means clustering, I developed a model that can record and analyze Stock values of selected time to predict the future possible outcome.

#### **Software Craftmanship Trainee | Softhouse Consulting, Sweden.**

May 2016 – Nov 2016

- Worked as "Software Craftsman" under the project "Partnership for industries and international students" in collaboration with Blekinge Tekniska Högskola.
- Worked with a Scrum team of 6 members.
- Development and testing of an online examination portal, in an agile environment.
- Tools and technologies such as AngularJS, H2 (database), RESTful API were used.

#### **Intern | WEGILANT SINE IIT, India.**

May 2016 – Nov 2016

- Participated in web Development and Networking workshops conducted by WEGILANT SINE IIT – Mumbai.
- I was part of a testing team, learning to test HTML and CSS websites.

## **EDUCATION**

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#### **M.s Computer Science | BLEKINGE TEKNISKA HÖGSKOLA, Sweden**

Jan 2015 – May 2017

- Master's in computer science helped me understand topics like Research methodology, Parallel Programming, Game agent development with artificial intelligence, Project management using Agile-scrum methodologies, Software Security, and Cloud security concepts.

#### **B. Tech Computer Science and Engineering | JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, Kakinada**

Aug 2011 – Nov 2014

- Bachelors helped me to understand computer science concepts like C, Object – Oriented programming through Java, Data structures, UML, Web development, Computer networks, Database management, Data mining and warehousing, and Cloud services, Java mobile application development.

## SKILL SETS

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Technical Skill		Programming Skills	
Automation Tools	Selenium, Appium, UI Automator	Python	★★★★☆
Automation Framework	PyTest Framework	Django	★★★★☆
Database	MySQL.	Html/CSS	★★★★☆
Analysis Tools	QPST, QXDM, QUALCOMM Proprietary tools	Languages Skills	
Coding tools	Visual Studio, PyCharm, Android Studio, Xcode.		
Virtualization and tools	Docker/Podman, Jenkins, VMware.		
Bug Tracking Tools	Jira, Mantis		
Operating Systems	Windows server, Linux, RHEL8.Centos		
		English	Professional
		Hindi	Fluent
		Swedish	Basic

## ACADEMIC PROJETS

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Jun 2014 – Nov 2014	<b>Ensuring Distributed Accountability for Data Sharing in the Cloud   JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, Kakinada</b>
	<ul style="list-style-type: none"><li>An object-oriented approach had been used to create JAR files that contain log data, user data and the policies of the users.</li></ul>
Nov 2015 – Jan 2016	<b>A Mobile Phone based Intelligent Scoring Approach for Assessment of Critical Illness   BLEKINGE TEKNISKA HÖGSKOLA, Sweden</b>
	<ul style="list-style-type: none"><li>A Simulated experiment that has been carried out using Apache Tomcat server and Json libraries to locate the spot of emergency, when the agent is contacted using a mobile application.</li></ul>
Oct 2018 – June 2019	<b>Intelligent Decision Support for Compliance Options   BLEKINGE TEKNISKA HÖGSKOLA, Sweden</b>
	<ul style="list-style-type: none"><li>Developed a web-based simulation experiment that can record the container and cargo details in a port and Using Decision support system, the recorded values are compared for any data tampering and later processed for shipping.</li><li>MySQL database was used to save the recorded values and web simulation is conducted in NetBeans using Apache Tomcat 8.0 web server.</li></ul>

## CORE COMPETENCIES

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| <ul style="list-style-type: none"><li>Software Testing Life Cycle Management</li></ul>     | <ul style="list-style-type: none"><li>Manual and Automation Testing</li></ul>                      |
| <ul style="list-style-type: none"><li>Software Development Life Cycle Management</li></ul> | <ul style="list-style-type: none"><li>Quality Assurance and Control</li></ul>                      |
| <ul style="list-style-type: none"><li>Test Management and Execution</li></ul>              | <ul style="list-style-type: none"><li>Estimating, Cost Control, and Requirement Analysis</li></ul> |
| <ul style="list-style-type: none"><li>Process Improvement and Enhancement</li></ul>        | <ul style="list-style-type: none"><li>Cross-functional Team Coordination</li></ul>                 |
| <ul style="list-style-type: none"><li>Team Building and Leadership</li></ul>               | <ul style="list-style-type: none"><li>Project Management and Coordination</li></ul>                |

## REFERENCES

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Available on Request.