

# Madhu Samhitha Prayaga

samhithaprayaga@gmail.com • +91-93900 45061 • Bangalore, KA • Madhu

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## SUMMARY

Dedicated Software Quality Engineer with a strong background in designing, developing, and executing automated tests for functional and API testing. Adept at leveraging Selenium and scripting languages to create automation frameworks and ensure the delivery of high-quality software. Seeking the opportunity to contribute to application projects by bringing hands-on experience in Agile methodologies, test automation, and continuous improvement.

## PROFESSIONAL EXPERIENCE

### Programmer Trainee

Oct '22 - Apr '23

**COGNIZANT TECHNOLOGY SOLUTIONS** | Bangalore, KA

*During my tenure as a Programmer Trainee at Cognizant, I engaged in an immersive training program that equipped me with a diverse skill set in software testing.*

- **Selenium-Java Automation Proficiency:** Acquired strong expertise in **Selenium-Java Automation**, enabling efficient creation and execution of automated test scripts.
- **Versatile Manual Testing Skills:** Proficiently conducted various testing types, including **Functional, Regression, Unit, Performance**, and **Acceptance** tests.
- **STLC and SDLC Understanding:** Developed a solid grasp of **STLC** and **SDLC** methodologies, ensuring alignment of testing practices with software development.
- **Collaborative Tool and Framework Utilization:** Utilized tools like **JIRA** and frameworks like **TestNG** and **BDD** for coordinated, efficient testing and seamless cross-functional collaboration.

### Associate Software Engineer

Jun '21 - Mar '22

**CAPGEMINI INDIA PRIVATE LIMITED** | Bangalore, KA

- Provides the best customer service, troubleshooting, and technical resolution of customer queries via voice telephone service.
- Assist users with payroll issues and password reset.
- Responds to customer requests by resolving the issue on first contact.
- Clarification of customer requirements.
- Tools Used: Service Now, FIS Rumba, PeopleSoft, Quick Assist, Azure, Windows Server, Skype, Teams, Outlook

## INTERNSHIPS

### Hackathon Project

Apr '22 - Sep '22

**COGNIZANT** | Remote, KA

*IRCTC Train search Automation*

- Launch the <https://www.irctc.co.in> web application, and check the correct page is open.
- Accept the warning messages, if none go to the next step. Enter "Hyd" in the "From town" field, and in the automatic search results
- Select the station "HYDERABAD DECAN - HYB" Enter "Pune" in the "To town" field, in the automatic search results select the station "PUNE JN - PUNE Station" Select a future date 4 days from today in the departure date field.
- Select "Sleeping Layers" from the drop-down list of all layers. Check the box "Divyaang Concession" Click the "Search Train" button. Check that the displayed trains are correct according to the search criteria (city and date).
- Displays the number of trains available and their names on the dashboard. Take a screenshot of the result. Close the application.
- Main automation scope: Manage alerts, different browser windows Automate multiple browsers (Chrome and Firefox) Extract multiple preferences items and store them in a Form Fill collection (in different web page objects) ) Log results, warning or error messages Using JavaScript Executor.

## KEY SKILLS

- **Selenium-Java Automation:** Proficiency in using Selenium-Java for creating and executing automated test scripts, ensuring efficient and accurate testing across software applications.
- **Manual and Functional Testing:** Expertise in conducting comprehensive manual tests, including various testing types such as Functional, Regression, Unit, and Acceptance testing.

- **API Testing and Tools:** Proficient in tools like Soap UI and Postman for API testing, ensuring accurate validation of API functionality and data integrity.
- **Bug Tracking and Management:** Skilled in using bug tracking tools like JIRA to effectively report and manage defects, ensuring seamless collaboration with developers and timely issue resolution.
- **Automation Testing:** I have developed a suite of automated regression tests using a tool like Selenium, ensuring that critical functionalities of a web application remain intact with each new release.
- **Proficiency in SQL Querying:** I possess a solid understanding of SQL querying, including SELECT statements with various clauses (WHERE, GROUP BY, HAVING, ORDER BY) to retrieve specific data subsets. This skill is crucial for setting up test data and validating expected outcomes during testing.
- **Database Manipulation and Data Integrity:** I am capable of manipulating data in databases using SQL statements. This includes performing INSERT, UPDATE, and DELETE operations to simulate different scenarios and validate the impact on application behavior.

## LANGUAGES & TOOLS

### **Selenium:**

**Description:** Selenium is a widely used automation testing framework for web applications.

**Example:** I have experience in creating automated test scripts using Selenium WebDriver and Java to perform tasks like logging in, filling out forms, and verifying UI elements on a web application.

### **Soap UI:**

**Description:** SoapUI is a tool used for testing SOAP and REST web services.

**Example:** I have proficiency in using SoapUI to create test cases that validate the response and behavior of a RESTful API, including testing authentication, data retrieval, and error handling.

### **HTML5:**

**Description:** HTML5 is the latest version of the Hypertext Markup Language used for structuring content on the web.

**Example:** I am able to manually inspect and analyze the HTML structure of web pages to identify potential issues affecting layout, accessibility, or cross-browser compatibility.

### **Java:**

**Object-Oriented Programming (OOP) Concepts, Data Types and Variables, Arrays and Collections, Operators, Control Statements (if, else, switch).**

## OTHER SKILLS

- **Attention to Detail**
- **Adaptability and Learning Agility**
- **Microsoft Applications - Excel, PowerPoint, Word**
- **Time Management and Prioritization**
- **Critical Thinking and Analytical Skills**

## CERTIFICATIONS/TRAINING

- Successfully completed the "Advanced Test Automation with Selenium" certification from Udemy, showcasing an advanced level of expertise in implementing automation testing techniques using Selenium.
- Gained hands-on experience in designing and developing complex test automation frameworks, incorporating advanced features like data-driven testing, page object pattern, and parallel execution.

## EDUCATION

### **Bachelor's Degree**

**Aug '17 - Sep '20**

**Sri venkateswara University | Tirupati, AP**

### **HSC**

**Jul '15 - May '17**

**Sri Gayathri Junior College - MPC | Tirupati, AP**

### **SSC**

**Jul '14 - May '15**

**Murali Rao's Educational Institutions - SSC | Tirupati, AP**