

# Rachakonda Divya Sri Sharma

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## PROFILE

Seeking an entry-level position as a **Test Automation Engineer** to utilize a solid foundation in **Java** and **Selenium WebDriver** for developing robust automation scripts. Eager to contribute to product quality through diligent **manual testing** and thorough **API testing** for backend services.

## EDUCATION

### Bachelor of Technology-CSE(Data Science)

2021 – 2025

*Ravindra College of Engineering for Women*

JNTU Ananthapuram

Aggregate : 80.5%

### Board of Intermediate Education

2019 – 2021

*Narayana Jr College*

Aggregate : 91.5%

### Board of Secondary Educationz,AP

04/2019

*Ravindra Bharathi School*

10.0 CGPA

## TECHNICAL SKILLS

### CORE JAVA

- **Mastery of Object-Oriented Programming (OOP) principles**, specifically leveraging **Inheritance** and **Polymorphism** to design reusable, flexible, and maintainable test automation code.
- Expert understanding of casting techniques, including **Upcasting** and **Downcasting**, ensuring proper object hierarchy and type-safe data manipulation within test environments.
- Solid command of foundational Java concepts such as **Constructors**, **Interfaces**, **Arrays**, and essential **Collections (List and Set)** for effective data structuring and test data management.
- Proficient in implementing method design principles using **Method Overloading** and **Method Overriding** to create robust and adaptable utility methods for the automation framework.

### AGILE AND DEFECT MANAGEMENT

- **Proficient in Scrum Methodology**, with a strong understanding of the roles, events, and artifacts, ensuring alignment with project goals and iterative development cycles.
- **Expertise in contributing to key Scrum events**, including **Sprint Planning** for effective task estimation and backlog grooming, and **Sprint Retrospectives** for identifying and implementing process improvements.
- **Extensive knowledge in complete Defect Life Cycle**, encompassing precise defect identification, detailed logging, accurate prioritization, and effective status tracking.

### API TESTING

- **Hands-on experience with Industry-Standard Tools**: Proficient in **API testing** using tools like **Postman** (and/or **Fire Flink**), including knowledge of the complete workflow and ability to utilize **Newman** for command-line execution and batch runs.
- **Core API Concepts and Architecture**: Strong understanding of **Client-Server architecture** and the structure of modern services, including foundational knowledge of **SOAP** and **REST** web services and various **HTTP Methods**.
- **Data Validation and Request Management**: Experienced in validating API responses by checking various **HTTP Status Codes** (200, 400, 500) and managing complex data structures using **JSON** and **XML** for data parsing.
- **Practical Application (CRUD & Workflow)**: Proven ability to perform **CRUD operations** (Create, Read, Update, Delete) on APIs, implement **Request Chaining**, and utilize **variables** for data transfer and reusability across multiple test cases

## **PROJECT**

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**A Novel Approach for Early Detection of Plant Diseases.**

**Technologies :** Python, Flask, DenseNet-121, Xception, HTML, CSS

- Built a smart web application that detects diseases in maize leaves using uploaded images, helping farmers take early action.
- Used advanced deep learning models (DenseNet-121, Inception ResNet V2, Xception) to classify leaf diseases with up to 92% accuracy.
- Developed using Python, Flask, and OpenCV, with a user-friendly interface built in HTML/CSS and a lightweight database (SQLite).

## **INTERNSHIP**

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### **MIL-STD-1553 (DRDO)**

- This standard establishes requirements for digital, command/response, time division multiplexing (Data Bus) techniques on aircraft.
- It encompasses the data bus line and its interface electronics and also defines the concept of operation and information flow on the multiplex data bus and the electrical and functional formats to be employed.

## **DECLARATION**

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I hereby declare that all of the above information is true and to the best of my knowledge.

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**R. Divya Sri Sharma**