

SAI RAM BOYA

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Internship

Frugal Testing

Sept 2024 - Present

SDET

- Discovered and reported many functionality issues during manual and API testing, helping to improve the product's quality.
- Worked with developers to fix the bugs I found in both UI and API testing, improving the overall software performance.
- Developed the scope for the application and created detailed test cases for both UI and API testing to ensure comprehensive coverage of all functionalities.

Projects

Improving Osteoporosis Detection / Deep Learning / Python, TensorFlow, Neural Networks

July 2024

- Developed a neural network to analyze bone scans, improving accuracy in early osteoporosis detection.
- Applied advanced imaging techniques to automatically extract key diagnostic features from the scan data.
- Engineered the system to achieve higher diagnostic accuracy than traditional detection methodologies.

College Event Booking Application / Backend Application / Java, Spring Boot, PostgreSQL

April 2024

- Developed a secure RESTful API using Spring Boot and Spring Security for managing events, users, and bookings.
- Implemented role-based access using JWT authentication for distinct dashboards for students and organizers.
- Designed a normalized PostgreSQL schema for efficient event, user, and booking management.

Automating a login page / Automation / java, selenium

February 2024

- Developed a Selenium script in Java to automate user registration and login on a web application.
- Filled registration form fields (first name, last name, username, password). Managed "I am not a robot" checkbox, clicked if not selected.
- Used JavaScriptExecutor to scroll into view, handling ElementClickInterceptedException.
- This can be open by using the google web driver as well as the firefox web driver.

Certificates

Java	oracle	February 2024
Project Publication	IEEE	July 2024
AWS Cloud Foundation	AWS	September 2024
Machine Learning	Great Learning	November 2024
Python Boot Camp	Udemy	April 2023

Technical Skills

- Programming languages: Java (data structures and algorithm), Python (machine learning).
- Libraries: NumPy, pandas, matplotlib, sklearn.
- Web technologies: HTML, CSS, JavaScript
- Data management: MySQL, Power BI.
- Skills: Git, GitHub, Selenium, Rest assured, Jest, Postman, Swagger, TestNG, Spring Boot, Micro Services.

Technical Skills

- Awarded third prize in the college space quiz competition.
- Won the inter-school cricket championship as team captain.
- Solved 300+ problems in leetcode using java.

Education

B V Raju Institute of Technology Narsapur

2021 – 2025

Computer Science and Engineering — CGPA: 9.13

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Narayana Junior college

2019 – 2021

12th — Percentage: 98.4%

Hyderabad, Telangana

Sri Sai Vidyanikethan High School

2018 – 2019

10th — CGPA: 9.5

Hyderabad, Telangana

Hobbies and Interests

- Sports
- Movies and TV Shows
- Gaming