

# 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

12<sup>th</sup> — Percentage: 98.4%

Hyderabad, Telangana

### Sri Sai Vidyanikethan High School

2018 – 2019

10<sup>th</sup> — CGPA: 9.5

Hyderabad, Telangana

## Hobbies and Interests

- Sports
- Movies and TV Shows
- Gaming