

LOHITH DEVARAMANE SHIVASHANKARA

Senior Member of Technical Staff

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Education

The National Institute of Engineering, Mysuru

June 2017 – October 2021

Bachelor of Engineering in Electronics and Communications

CGPA:8.44

Experience

AltioStar, A Rakuten Symphony Company

Oct 2021 – Present

Senior Member of Technical Staff

Bengaluru, Karnataka

- **Developed and maintained** RAN Performance Testing Automation suite, leveraged KPI Testing and reduced manual efforts by **70%**.
- Implemented TM500 test case execution and collecting crash files, KPI stats, other logs required for validation.
- Integrated **selenium** based web operations to download KPI Reports from EMS.
- **Reduced 50%** of total suite **execution time** by optimizing suite execution flow by separating testcase execution from validation and collecting logs parallelly using multiple **threads**.
- Experienced in **concurrency and multithreading**, utilizing threads for efficient task parallelism, improving performance and resource utilization.
- Built and maintained **CI/CD pipelines** using **Jenkins**, automated Build Upgrade following Testcase execution for multiple RAN Setups.
- Consolidated all testcases results into consolidated report and saving it in log server.
- Proficient in working with **git**, pushed latest verified changes in suite and helped End user in pulling latest changes.
- Applied **Data Structures** and **Object-Oriented Programming (OOP)** principles in a **Linux** environment, with hands-on experience in debugging and troubleshooting applications.
- Developed **scripts** to parse csv logs and collecting stats.
- Collaborated with cross-functional teams following **Agile methodology**, ensuring efficient development cycles and high-quality deliverables.

Projects

RAN Performance Automation Test suite | *Python, Selenium, Git, Jenkins*

- Developed an performance test suite which executes TM500 testcases configured by the end-user, prints live Throughput and other stats parallelly and post completion of testcase it collects crash files, logs, KPI stats to validate the results based on the expected values set by the end-user.
- Integrated selenium based web operations to download KPI Reports from EMS.
- Improvised suite by separating validation from execution and saving data required for post-processing which helps in case of suite failure from losing testcase execution data and as a result it saved lot of unnecessary post-processing wait time in between testcase execution.
- Resolved suite compatibility issue for multiple remote machine environment.
- Automated Performance Testing for all different flavour RAN Setups.

Sentiment Analysis of tweets in Machine Learning | *Python, Machine Learning, Flask*

- Used Twitter API to collect tweets for training a Machine learning model for performing sentiment analysis on Tweets.
- Created a Web application for the Machine learning Model and Deployed it on Heroku.

Technical Skills

Languages: Python, Java, Shell Script

Tools: Pycharm, Kubernetes, Git

Technologies: Linux, Jenkins

Core Skills: Data Structures, OOPS, Debugging, Test Automation, Scripting

Achievements

NSOC 5.0 Hackathon Hardware Track – Winner.

Published IEEE paper on Sign Language Recognition using Hand gestures.

Participated in e-yantra(IIT-B Robotics Competition).

International Olympiad of Mathematics – Gold Medal(Class X)