

R Charan

Software Development Engineer in Test

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PROFESSIONAL SUMMARY

SDET with over 3 years of hands-on experience in Tool Development, Automation for AI Models and Managed a 4 Member team. Gained invaluable experience in testing (ISTQB Certified) and automating for webOS OSE, Apollo Project, Android, and Home Appliance & AirSolution domains at LG. Also an active contributor to the open source community on GitHub.

EXPERIENCE

2021-Present **LG SOFT INDIA**

Bangalore, India

Software Development Engineer in Test

webOS OSE

- Spearheaded the allocation, coordination, and management of a team to successfully release [webOS OSE v2.20.1](#), ensuring testing completion within established timelines and meeting all quality standards. Identified, fixed, and verified resolution of 20 bugs (100% bug fix rate).
- Created an automation framework from scratch, that automates & tests the firmware updates to a number of products like Air Conditioner, Refrigerator, Washing Machine and Android devices providing 100% confidence in the Firmware Updates.

AITs (AI Testing Solution)

- Contributed to the Development and Enhancement of the internal [AI](#) testing tool (AITs) which focuses on testing of the AI models such as ASR, NLP, TTS, ETWD etc and custom proprietary AI Engines increasing efficiency by 12%.
 - Automated Tests for AI Models using tools such as Python, Jenkins & Jmeter hereby enabling tests to run in a continuous integration environment to ensure that AI models are functioning properly meeting the set standards.
 - The application we developed tests the AI models, automates test scenarios, generates and publishes reports automatically reducing the manual work by almost 70%.
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PROJECTS (PERSONAL & GITHUB CONTRIBUTIONS)

2023

Wiki

Wikipedia From Your Terminal

- Developed, authored and an active maintainer of a Python-based CLI tool for searching and viewing Wikipedia articles from the terminal.
- The application can be downloaded and used on a number of linux distros which support snap, by Canonical.
- **Deployed** - <https://snapcraft.io/wiki>
- **SourceCode** - <https://github.com/charanravi-online/Wiki>

2023

BTC CONVERTER

A Simple BTC to Satoshi Converter

- Contributed to the development of the "SatsConverter" at The Bitcoin Association of Hong Kong repository, which resulted in a 40% increase in user engagement.
 - Fixed several bugs that improved the overall stability and performance of the website.
 - **Deployed** - <https://rates.bitcoin.org.hk/>
 - **SourceCode** - <https://github.com/bitkarrot/satsconverter>
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CERTIFICATIONS

2023

ISTQB FOUNDATION LEVEL

ISTQB International Software Testing Board | Credential ID: CTFL-126241 India

2023

PYTHON

HackerRank | Credential ID: dfa000422e2e

2023

WEB DEVELOPMENT COHORT

100xDevs | Credential ID: hwjgvfbwsp

TECHNICAL SKILLS

Languages: **PYTHON, HTML, CSS, JAVASCRIPT**

Tools: **JENKINS, GIT, GITHUB, FIREBASE, JMETER, POSTMAN**

Frameworks: **DJANGO**

Software Methodologies: **AGILE SOFTWARE DEVELOPMENT PRACTICE**

EDUCATION

2018-2021 **MS RAMAIAH COLLEGE OF ARTS, SCIENCE & COMMERCE**
Bachelors in Computer Application (8.7 SGPA)

Bangalore, India

OTHERS

Awards **PULL SHARK**

Awarded "[Pull Shark](#)" by GitHub for submitting high-quality pull requests and demonstrating strong collaboration skills within the open source community.

Interests **AI, OPEN SOURCE, MUSIC COMPOSITION, DATA STRUCTURES & ALGORITHMS**