

# R Charan

Software Development Engineer in Test

Bangalore, India · +91 8971297535 · [charanravi.online@gmail.com](mailto:charanravi.online@gmail.com) · [LinkedIn](#) · [GitHub](#) · [Portfolio](#)

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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.

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## 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.

### 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.
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## PROJECTS (PERSONAL & GITHUB CONTRIBUTIONS)

2023

### WIKI

*Wikipedia From Your Terminal*

- Developed, authored and actively maintaining 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

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### WEB DEVELOPMENT COHORT

100xDevs | Credential ID: hwjgvfbswp

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## TECHNICAL SKILLS

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

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

Frameworks: **DJANGO**

Software Methodologies: **AGILE SOFTWARE DEVELOPMENT PRACTICE**

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## EDUCATION

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

Bangalore, India

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## 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**