

# Saivamshikrishna Cheerlancha

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## SUMMARY

Interested in long-term opportunities focused on architecting and implementing Android solutions. Proficient in Java, Kotlin, and modern Android frameworks, with a strong emphasis on efficient development, scalable design patterns, Android lifecycle management, and performance optimization.

## EDUCATION

**Mahatma Gandhi Institute of Technology** | Hyderabad, India

August 2020 - June 2023

B.tech in Electronics and Communication

7.6 GPA

**Govt Polytechnic** | Siddipet, India

August 2017 - June 2020

Diploma in Electronics and Communication

82.08 Percentage

## EXPERIENCE

**Tata Consultancy Services(TCS)**

October 2023 - Present

**Android Framework Developer** | Customer: **Zebra Technologies** | Bangalore, India

- Trained in Android Framework development, Telephony Module integration, and Telephony Architecture design.
- Contributed to various implementations within the System application (Settings).
- Delivered operator-specific feature implementations based on carrier requirements on AP layer.
- Worked on carrier certification projects including EE UK, AT&T, and Telstra.
- Extensive experience in developing and debugging Android framework components related to Telephony, including Radio Interface Layer (RIL).
- Investigated and resolved crashes and bugs in system applications interacting with the Telephony framework by analyzing logs, debugging issues, and ensuring overall system stability.
- Familiar with modem-side operations and their seamless integration with the Android Telephony framework.
- Utilized QXDM, QCAT, and PCAT tools for debugging and resolving issues on Qualcomm modems.

## SKILLS

**Languages** Java, Kotlin, C/CPP

**Android Tools** Android SDK, Android Studio, REST APIs, Debugging, UI/UX Design, API Integration

**Expertise** Radio Interface Layer (RIL) Integration, Android Telephony Framework, Cellular Technologies (NR, LTE, GSM Architecture), Network Optimization, SIM Management, Telephony Debugging and Optimization

**Tools** Jenkins, GitHub Actions, Gradle Scripts, Android Build System, Debugging Tools, Logcat

**Qualcomm Tools** QXDM, QCAT, PCAT

**Scripting & Utilities** Bash Scripting, XML, Gradle Scripting

## RESPONSIBILITIES

- Developed preferences for Physical-Embedded SIM management within the system application
- Designed user interfaces tailored to meet specific carrier requirements
- Contributed to the implementation and bug fixing of various Telephony and Telecom APIs
- Performed modem log analysis for issue identification and resolution, contributing to system stability
- Implementation aligned with carrier requirements on both the application (AP) layer and the modem layer