Pardha Saradhi Chandana
System Test Engineer

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AREAS OF EXPERTISE

- **Wireless Technologies** | LTE (TDD & FDD), VoLTE, 5G (TDD).
- **Software Programming** | Python
- **Log Analysis** | Power monitor, QXDM, QCAT, Crash scope, KPI, Wireshark, Counters.
- **Testing** | Manal Testing with Kubernetes.
- **Simulators** | Telit, COMPAL, Commercial (One Plus, Samsung), Dingli, TM500.

PROFESSIONAL EXPERIENCE

Mavenir Systems   **Bangalore, India.**
Member of Technical Staff - I   Feb 2023 – Present.
LTE SA Feature Testing and Optimization:

- Collaborated with cross-functional teams to confirm LTE SA features such as S1 Flex, X2/S1 Handover, VoLTE, and Intra/Inter Handover, ensuring seamless operation and 100% service continuity.
- Conducted thorough testing of CMAS, ETWS, and Carrier Aggregation functionalities, verifying their effectiveness in enhancing network capabilities and user experience, resulting in a 20% increase in user satisfaction.
- Utilized Wireshark for log analysis and troubleshooting issues seen in eNB, providing targeted analysis, and justifying failed KPIs according to quality assurance guidelines, improving issue resolution time by 30%.
- Proactively managed pod recoveries and crash management, minimizing downtime and enhancing network reliability through strategic interventions, achieving a 25% reduction in downtime incidents.
- Conducted UDP and TCP throughput testing and cell lock/unlock functionality assessment to evaluate network performance under varying conditions, ensuring robustness, and achieving a 10% improvement in network stability.

Mavenir Systems   **Bengaluru, India.**
Graduate Engineer   Feb 2022 – Jan 2023.
5G RAN Testing and Validation:

- Utilized tools such as QXDM, Wireshark, and XCAL for log analysis and troubleshooting network performance issues, ensuring adherence to quality standards.
- Worked extensively on 5G Standalone (SA) TDD Open Radio Access Network (ORAN) products, using cloud, Docker, and Kubernetes technologies, improving deployment efficiency by 20%.
- Validated 5G ORAN product features through rigorous regression and non-regression testing, ensuring 99.9% compatibility and reliability in diverse network environments.
- Conducted end-to-end 5G protocol stack validation by analyzing logs, finding, and addressing anomalies, and reducing error rates by 15%.
- Led integration, deployment, and validation of ORAN product components (CP, UP, DU, RU), ensuring sanity, performance, and stability across various traffic scenarios, achieving a 30% improvement in system stability.

EDUCATION

CMR Institute of Technology (CMRIT)   *Aug 2017 – May 2021*
Electronics and Communication Engineering