**SUMMARY:**

Performing structured test case execution, identifying, documenting, and tracking defects, and actively participating in debugging efforts to ensure optimal software performance and reliability.

**EDUCATION:**

**SPIRITS P.G COLLEGE, KADAPA, A.P Jan 2021 – Oct 2023**

Masters in Computer Applications CGPA – 7.89

**GOVERNMENT COLLEGE FOR MEN(AUTONOMOUS) A.P. June 2018 – Dec 2021**

Bachelor of Computer Science (MPCS) CGPA – 9.08

**SKILLS:**

**Programming & RDBMS:** Java(OOPS)**,** SQL(MySQL) and MS Word, Excel, Power Point

**Core Validation & Testing :** JTAG, PCIE, Oscilloscope, Test Planning, power management, Bios, Server, Test Case Design & Execution, Functional & Non-Functional Validation, verification & Validation, Requirement Analysis, Regression Testing, System & Integration Testing, Performance & Stress Testing, Failure Analysis, Firmware Testing

**Doc & Quality Assurance:** Test Plan & Test Strategy Development, Validation Protocols, Risk-Based Validation, Defect Tracking & Reporting, Semiconductor & Hardware validation.

**Tools:** Winscp,putty,VNCviewer,Stresstool,SWSMI,Fisher,Win-driver,Wheahct,ACPI,MLC,Selenium, Jmeter.

**Soft Skills:** Problem-Solving & Debugging, Analytical thinking & Attention to Detail, Effective Communication & Documentation, Collaboration with Cross-Functional Teams, Time Management & Adaptability.

**EXPERIENCE:**

**UST GLOBAL Nov 2024-Present**

**SEMICONDUCTOR PRODUCT VALIDATION ENGINEER / MT and QA**

* **Post-Silicon Validation & Debugging:** Expertise in **functional, system-level, and performance testing** **(PCIe, USB, DDR, MIPI, Ethernet)** with hands-on **failure analysis and hardware debugging** (JTAG, oscilloscopes, logic analyzers).
* **Test Automation & Compliance:** Skilled in **Python, Perl, TCL scripting, Linux kernel/device driver validation**, and ensuring compliance with **ISO 26262, JEDEC, PCI-SIG, USB-IF** standards.
* **Cross-Functional Collaboration:** Works closely with **design, firmware, and validation teams** to optimize testing, improve silicon reliability, and enhance product performance.

**CERTIFICATIONS:**

* Certification on Software testing tools or Manual testing, Selenium
* Certification on Python