

Vamsi Sasidhar

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Portfolio: vamsisasidhar.github.io — Location: Bangalore, Karnataka

Summary

Telecom Validation Engineer with 4 years of experience in LTE and 5G modem testing, including crash log classification, validation cycles, and test coordination. Hands-on experience with internal toolchains for debugging, patch validation, and automation scripting. Built Python tools to streamline modem crash triage and reduce manual workload by over 40%. Certified in Python, SQL, Excel, and Power BI. Currently transitioning into automation- and data-focused QA roles.

Professional Experience

Telecom Validation Engineer

Feb 2021 – Nov 2024

Larsen & Toubro Technology Services (LTTS), Bangalore, India

Client: Sony — Project: Modem Crash Validation

Mar 2023 – Nov 2024

- Performed modem crash triage by analyzing dump files using QCAP and internal tools to detect subsystem restarts and modem failures.
- Filtered and categorized crash types, extracted logs, and coordinated with teams for patch development and validation across 100+ builds.
- Maintained Excel-based summaries of weekly crash counts and issue trends for stakeholder review.
- Initiated an internal Python automation script that reduced manual triage effort by 40% by automating crash filtering and report generation.
- Tools used: QCAP, PMS, Jenkins, Excel, Git, Python
- Awarded 2x Employee of the Month and praised by Sony engineers for debugging 18+ builds during weekend cycles.

Client: Intel — Project: WWAN and RIL Validation

Feb 2021 – Feb 2023

- Conducted validation of WWAN and RIL functionality across 25+ mobile platforms with varying modem versions.
- Executed cycles such as S5, WR, CS, and S4, reporting DPMO metrics to track firmware and connectivity regressions.
- Worked with Intel's internal diagnostic toolchain (confidential) for test execution, log collection, and issue analysis.
- Participated in weekly client sync-ups, helping identify and close critical defects ahead of release deadlines.
- Awarded 5x Employee of the Month for ownership, test coverage quality, and delivery support.

Technical Skills

Languages:	Python (requests, pandas, openpyxl, re), SQL (basic)
Data Tools:	Power BI, Excel (Advanced), Git
Testing Tools:	Jenkins, PMS, QCAP, Jira
Validation Focus:	WWAN, RIL, crash filtering, Excel automation, triage analysis
Others:	OpenGrok, Linux (basic)

Projects

Crash Report Automation (Python)

Internal Automation Initiative – Sony (2024)

- Designed a Python tool to automate filtering and reporting of weekly modem crash logs from Sony's internal web portal.
- Parsed and classified over 300 crash entries weekly using crash signatures (16+ digit IDs) to isolate modem-related incidents.
- Reduced triage workload by 40% by auto-generating Excel reports with device count, build version, and crash frequency.
- Eliminated manual cross-checking of recurring crashes by incorporating regex-based crash pattern analysis.
- Tools: Python (requests, pandas, openpyxl, re), Excel

Certifications

- Python Training , Completed Feb 2025
- Excel & Advanced Excel for Analytics – Completed Mar 2025
- Power BI Training – Completed Apr 2025
- SQL Training – Completed Apr 2025
- AWS Cloud Fundamentals – expected Jul 2025
- Tableau for Beginners – expected Jul 2025

Education

B.Tech in Computer Science and Engineering

2016 - 2020

Madanapalle Institute of Technology and Sciences, Madanapalle

CGPA: 7.41 / 10

Class XII – MPC (Intermediate)

2014 - 2016

Narayana Junior College, Andhra Pradesh

Score: 884 / 1000 (88.4%)

Class X – SSC

2014

Keshava Reddy EM High School, BIEAP Board

CGPA: 9.0 / 10