POLAMRAJU SURYA KARTHIKESH

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PROFESSIONAL SUMMARY

Software Test Engineer with expertise in Network Management System (NMS) testing. Experienced in functional testing, regression testing, automation testing, test case design, and defect management. Skilled in Python, SQL, Linux, Shell scripting, and network diagnostics (SNMP, log monitoring). Hands-on experience in Jaspersoft reporting, OpenStack, Kubernetes, and Agile testing methodologies.

EDUCATION

S V College of Engineering — B.Tech, Electronics & Communication Engineering May 2024 | GPA: 9.21

WORK EXPERIENCE

Tata Consultancy Services (TCS), Bengaluru Software Test Engineer (NMS Testing) | Jan 2025 – Present - Performed system testing, functional testing, regression testing, and defect tracking for NMS applications. - Validated SNMP traps, alarms, and network monitoring logs to ensure reliable fault management. - Created and executed manual and automated test cases using Python and Shell scripting. - Conducted Linux-based environment testing including log monitoring and diagnostics. - Verified Jaspersoft dashboards and analytics reporting for data accuracy. - Collaborated in Agile teams for sprint planning, test execution, and defect resolution.

PROJECTS

- Security System Using Roboflow – ML-based intrusion detection with real-time alerts. - Embedded IRIG Generator Using Beaglebone – IRIG time synchronization with GPS support. - Smart Attendance System – Automated attendance with facial recognition. - IoT MiniRover – IoT-based rover for gas detection and safety monitoring.

SKILLS

Testing: Functional Testing, Regression Testing, Automation Testing, Manual Testing, Test Case Design, Bug Reporting Networking: NMS Testing, SNMP, Network Diagnostics, Fault Management Tools & Systems: Linux, OpenStack, Kubernetes, Jaspersoft, Git Programming: Python, SQL, Shell Scripting Methodologies: Agile, Test Planning, Defect Management

CERTIFICATES

- IT Essentials – Cisco Networking Academy - Networking Essentials – Cisco Networking Academy

PUBLICATIONS

- Security System Based on Computer Vision – IEEE ICRITO 2024 - Embedded IRIG Generator Using Beaglebone – IRJET Journal, July 2024

RECOGNITIONS

- NTSE State 3rd Rank - Engineering Entrance Test 15th Rank - IEEE SVCE Student Branch Chair