MANIKANTA CHAVVAKULA

Hyderabad, India

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Objective

Results-oriented QA Engineer leveraging operational expertise from Amazon to optimize workflows and stakeholder processes, specializing in Selenium, PyTest, and API testing. Committed to delivering reliable, high-quality software through efficient test design and automation.

Education

B.Tech in Computer Science and Engineering — 2019 – 2023
Chaitanya Engineering College (JNTUK) — *Visakhapatnam, India*

Experience

Amazon Development Centre India — Oct 2023 – Jun 2025
ROC Specialist — *Hyderabad, India*
- Worked across multiple teams, resolving 100+ escalations monthly within strict SLAs.
- Mentored new hires through shadowing, helping them quickly learn workflows.
- Led **process improvement projects**, streamlining workflows and saving time for stakeholders.
- Managed operations and reporting with AWS QuickSight, improving stakeholder decisions.

Internships

LBIT Labs — Aug 2023 – Oct 2023
Backend Developer Intern — *Remote*
- Built **automatic EMI payment systems** for banks using PHP and Drupal.

Virtually Testing Foundation — Sep 2022 – Nov 2022
Information Security Intern — *Remote*
- Gained hands-on experience with **Kali Linux, Metasploit, brute force techniques, penetration testing**, and vulnerability assessment.

Projects

CampusPulse Testing
- Executed 20+ test cases on CampusPulse, uncovered 2 critical defects, and delivered structured test documentation.

QA-Monkey
- Built a Python–Selenium monkey-testing framework with POM design, randomized user actions, detailed logging, screenshots, and multi-format reports, achieving 92% success in regression testing.

NetWrecker v2.0
- Built a Python-based testing utility simulating DoS attacks, monitoring packet flow, and analyzing server performance.
- Designed multiple attack modes and stress scenarios, enabling teams to identify bottlenecks and validate system stability.

Job Search Bot
- Built a job bot automating resume updates via APIs, applying to jobs and logging failures from site changes.
- Implemented failure tracking with reports on broken DOM structures or site errors, ensuring reliability of automation.

Technical Skills

Languages: Python, SQL
Testing Tools: Selenium WebDriver, PyTest, Postman, Jira
Other Tools: Git, AWS QuickSight, Excel, Linux tools
Concepts: Test Case Design, Regression Testing, API Testing

Certifications

CS50 SQL (Harvard)
Software Testing (Udemy)
Python by Google (Coursera)
Ethical Hacking (VTF, 2022)
Google Cloud (Coursera)

Startup Contribution

Co-developed **RecruitIntel**, an AI-powered Chrome extension preventing job scams, contributing to design, architecture design, edge-case handling, and feature development.

Achievements & Publication

Best Performer –(Reward Recognition, 3x) at Amazon Runner-up – Smart India Hackathon; Published **QA-Monkey Framework** article on Medium (Aug 2025), showcasing a Python–Selenium testing tool with advanced reporting and real-world applications.