Bala Geeta Vamsi Reddy Bearala

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EDUCATION

Texas Tech University — Lubbock, TX
Masters in Computer Science; GPA: 3.33 — *Aug 2023 - May 2025*
Courses: Analysis of Algorithms, Operating Systems, Computer Architecture, Database Management Systems, Software Security, Machine Learning, Neural Networks

MallaReddy College of Engineering And Technology — Hyderabad, India
Bachelor of Technology in Computer Science, GPA: 3.24 — *Aug 2017 - May 2021*

SKILLS SUMMARY

- **Programming & Scripting:** Python, JAVA, Bash, Shell
- **Frameworks & Platforms:** Mobly, Copycat, Vinson, MH Lab, Code Lab, Django, AWS (EC2, S3), Linux, Windows
- **DevOps Tools & CI/CD:** Jenkins, Git, GitHub Actions, GitLab CI, Docker, Ansible, Terraform
- **Testing & Automation:** Selenium, Appium, PyTest, TestNG
- **Web & Databases:** HTML, CSS, JavaScript, Bootstrap, MySQL, SQLite

EXPERIENCE

Accenture — Hyderabad, India
Application Development Analyst(Full-time) — *July 2021 - July 2023*

- **CI/CD Pipeline Automation:** Focused on migrating manual QA workflows into scalable, CI/CD-integrated automation pipelines to improve deployment speed, reliability, and overall system quality for multiple Google product teams.
- **Test Automation with Mobly & Copycat:** Converted manual testing procedures into automated workflows using Mobly and Copycat, which reduced test execution time by 70% and minimized human error.
- **UI Automation Across Devices:** Used Mobly and UIAutomator to automate UI validation for Android phones, Wear OS watches, and TVs, reducing manual test effort and improving UI reliability.
- **UICD-Based Test Flows:** Built reusable UI test flows for Android and wearable platforms using Google's internal UI test creator (UICD), enabling faster regression testing and reduced maintenance
- **Remote Device Execution:** Executed automated UI test suites on remote and virtual Android devices integrated into nightly CI pipelines, supporting early detection of UI regressions and build failures
- **Custom Scripting:** Personally developed Bash and Python scripts to simulate device behavior, trigger nightly builds, and generate performance dashboards for Google Wearables and Assistant devices.
  Managed test automation scripts and code reviews using Google's internal version control (Piper) and code review tools (Critique, CitC) across multiple test environments.
- **Environment Containerization:** Led the effort to containerize legacy desktop test environments using Docker, improving environment consistency and deployment repeatability.
- **Self-Healing Automation:** Created self-healing test automation scripts using Healenium to address dynamic UI changes, decreasing test maintenance overhead by 40%.
- **CI/CD Pipeline Engineering:** Created Jenkins-integrated CI/CD workflows to support automated test execution and deployment validation across multiple device platforms.
- **Cloud-Based Testing Infrastructure:** Built and configured cloud-hosted Android virtual devices to replicate production scenarios and validate deployment artifacts.
- **Test Monitoring and Debugging:** Monitored test health and regression trends using internal dashboards and CI artifacts, analyzing logs and screenshots to support debugging and continuous test improvement.
- **Agile Collaboration:** Actively participated in sprint cycles, providing direct feedback to developers and infrastructure teams to resolve deployment issues and improve testing resilience.
- **Manual to Automation Migration:** Transitioned over 80 daily test cases from manual to automated execution across multiple device types and product versions, significantly enhancing test coverage, reliability, and release velocity.
- **Defect Analysis and Resolution:** Logged defects, analyzed root causes, and collaborated directly with developers and product teams to resolve bugs across iterative testing cycles, improving issue resolution turnaround.

PROJECTS

- **SpeedESales - Django-Based E-Commerce Website:**
  Developed a Django e-commerce platform with secure authentication for 300+ registered users, integrated PayPal API, and containerized the app using Docker with CI/CD via GitHub Actions, reducing deployment time by 30%.

CERTIFICATIONS

- AWS Certified: Solutions Architect - Associate - May, 2025
- AWS Certified: AI Practitioner - May, 2025
- AWS Certified: Cloud Practitioner Essentials - Jan, 2025
- Microsoft Certified: Azure Fundamentals - May, 2021