# Teja Reddy Palle

Chicago, IL | tejareddypalle2000@gmail.com | (314)-220-2642 | linkedin.com/in/palletejareddy/ | **Portfolio**

Self-driven QA Engineer with 4+ years of hands-on experience in manual and automated testing across web and enterprise platforms. Proficient in smoke and regression testing, UI/UX validation, and cross-browser/device testing using tools like BrowserStack. Adept at identifying UI inconsistencies, writing actionable bug reports, and collaborating asynchronously with distributed teams. Recognized for exceptional communication, attention to detail, and a strong focus on ensuring high-quality user experiences. Recently I earned a Master's in Computer Science and actively seeking roles in QA testing with an emphasis on website rebranding or front-end quality assurance.

## EDUCATION

**Southeast Missouri State University**                                        Aug 2023 – May 2025
Master of Science, Applied Computer Science                                        GPA: 3.90
**Vignana Bharathi Institute of Technology**                                        Aug 2017 – Jun 2021
Bachelor of Technology, Electronics and Communication Engineering                  GPA: 2.78

## SKILLS

- **Testing Types:** Manual Testing, Smoke & Regression Testing, Cross-Browser & Cross-Device Testing, UI/UX Validation, Functional Testing
- **Tools & Platforms:** BrowserStack, Postman, Jira, QTest, Git, Jenkins, Chrome DevTools
- **Languages/Tech:** Java, HTML, CSS, JavaScript (basic familiarity)
- **Others:** Defect Tracking, Test Case Documentation, Agile/Scrum, API Testing, Responsive Design Testing, Jira
- **Soft Skills:** Asynchronous Collaboration, Written Communication, Detail-Oriented Reporting, Problem Solving

## EXPERIENCE

**Southeast Missouri State University**                                        April 2024 - May 2025
*Quality Assurance*                                                        Cape Girardeau, MO

- Executed smoke and regression test cases for university web portals, validating layout, links, and input forms across Chrome, Firefox, and Edge.
- Used **BrowserStack** for cross-device testing, ensuring consistent UX across desktops, tablets, and smartphones.
- Logged and tracked UI/functional bugs using Jira with clear steps, screenshots, and browser/device info—minimizing need for follow-ups.
- Validated responsive design, cross-browser compatibility, and accessibility for critical user-facing features.
- Collaborated asynchronously with developers and leads, contributing to reduced turnaround time for issue resolution.

**Capgemini - India**                                                        Sept 2021 – July 2023
*Quality Assurance  - Software Engineer to Senior Software Engineer*                  Hyderabad, India

- Performed **manual and automated testing** for web-based insurance applications; verified UI components, form behaviors, and functional flows.
- Executed **cross-browser testing** and validation of UI elements and interactive components including modals, dropdowns, and buttons.
- Created structured bug reports in JIRA with steps to reproduce, browser/device info, and impact analysis.
- Participated in Agile ceremonies and collaborated with geographically distributed teams using asynchronous tools.
- Earned the **"Certified Star Performer"** award for clear communication and defect resolution effectiveness.

**Entrepreneurship Intern -Product Innovation**          **Aug 2019 – Sept 2021**
*Business Analyst & Product Designer*          Hyderabad, India

- **Designed** and engineered "**KisanMate**," a ground-based pesticide **spraying rover**, applying mechatronics and embedded systems to reduce farmers' chemical exposure and improve field safety.
- Led **prototyping** and **remote-control** system integration using hardware interfacing and robotic control, improving terrain adaptability and targeting accuracy compared to **drone alternatives**.
- Conducted **field research**, applying user research, **data collection**, and **usability testing** techniques to refine the product based on real-world agricultural feedback.
- Delivered **technical presentations** and demonstrated strong stakeholder communication and **problem-solving skills**, earning **recognition** from **ISB faculty** and **TASK Telangana** for **innovation** and **sustainability**.

## PROJECT

**Student Habit Analyzer**          **Jan 2024 – May 2024**
- Developed a basic web application using **HTML**, **CSS**, and **JavaScript** to help students manually log and track study sessions.
- Designed a **clean and minimalistic UI** that allowed users to input subject name, start time, and duration of study.
- Implemented **form handling** and **basic input validation** using **JavaScript** to ensure proper data entry.
- Focused on building a **responsive layout** for smooth functionality across different screen sizes and devices.
- Performed **manual testing** to identify and fix layout issues, broken inputs, and ensure **cross-browser compatibility**.
- Tested the application across **Chrome**, **Firefox**, and **Edge** to verify stable and consistent behavior.
- Improved core development skills in **front-end programming** and **QA fundamentals** through hands-on learning and debugging.
- Shared the project on **GitHub** as a learning milestone, showcasing growth in self-initiated coding and practical application of **basic web technologies**.

**Bandwidth Enhancement of Microstrip Patch Antenna**          **Aug 2020 – June 2021**
- Designed and simulated a **dual-band microstrip patch antenna** using **Ansys HFSS**, applying **slot-loaded techniques** to achieve enhanced **bandwidth performance**.
- Achieved **dual resonant frequencies** at **3.48 GHz** and **5.25 GHz**, making the antenna suitable for **WLAN**, **WiMAX**, and **automotive radar** applications.
- Conducted detailed **electromagnetic analysis** including **S11 (return loss)**, **VSWR**, and **radiation patterns** to evaluate and optimize **antenna efficiency**.
- Generated and analyzed **3D radiation plots** to visualize **lobe directions** and **gain characteristics** for both frequency bands.
- Performed **iterative simulation tuning** to refine parameters such as **substrate thickness**, **slot dimensions**, and **patch size**.
- Collaborated with **faculty mentors** on academic **RF research**, applying theoretical knowledge in **practical simulation-driven design**.
- Documented the entire **design process**, **simulation results**, and **conclusions** in a formal **project report** for academic evaluation.
- Gained hands-on experience with **HFSS simulation environment**, **RF design principles**, and **antenna parameter optimization techniques**.

## CERTIFICATION & AWARDS

- Technical Entrepreneur Certification - ISB, Hyderabad
- QET & QA Automation Level 1 – Capgemini
- CCNA Routing and Switching – Introduction to Networks
- CCNA Routing and Switching – Routing & Switching Essentials
- API Testing a Real Web Application via Postman – Coursera
- Awarded Certified Star Performer (Rising Star) at Capgemini for exceptional performance and valuable project contributions.