BHAVYA SRI BITRA

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PROFESSIONAL SUMMARY

Dynamic **SDET** with 2+ years of experience in building scalable UI and API automation frameworks using **Playwright and TypeScript**. Proven track record of reducing regression effort by **40–70%** through **CI/CD-integrated automation**. Strong in API testing, database validation, and Agile QA practices, with proven collaboration across cross-functional teams to shift quality left and improve release reliability.

TECHNICAL SKILLS

- **Automation & Testing:** UI Automation, API Testing, Database Validation, Functional, Regression, Smoke, Exploratory, Performance, White-box & Black-box Testing
- **Automation Tools:** Playwright
- **API & Backend:** Postman
- **Programming:** TypeScript, JavaScript, Python, SQL
- **Frameworks:** Page Object Model (POM)
- **CI/CD & DevOps:** GitHub, Docker
- **Databases:** PostgreSQL, MongoDB
- **Tools:** ClickUp, DBeaver
- **Emerging Tech:** Generative AI, Prompt Engineering, Machine Learning
- **Web & Cloud:** HTML, CSS, Bootstrap, Cloud Computing, QuickSight

WORK EXPERIENCE

Associate Software Engineer | CareMonitor | *April 2024 – Present*

- Designed and maintained an end-to-end automation suite using **Playwright and TypeScript**, improving regression coverage by **60%**
- Automated **300+ UI and API test cases**, reducing manual regression effort by **70%+**
- Integrated automation into **GitHub Actions**, cutting deployment verification time by **60%**
- Performed backend validation using **Postman & Playwright**, ensuring API reliability and data consistency
- Developed automation for the Data Team, reducing manual effort from **2 hours to 15 minutes** for daily and monthly refreshes, saving **35+ man-hours/month**
- Managed end-to-end defect lifecycle using **ClickUp**, ensuring 100% resolution of high-priority issues
- Collaborated with developers and product owners in Agile ceremonies (planning, stand-ups, reviews, releases)
- Served as the first point of contact for clients, resolving queries proactively and proposing technical solutions to the development team

Key Skills: Test Strategy, Test Planning, Smoke & Regression Testing, Test Case Design, Defect Management, SDLC/STLC

Freelance AI Prompt Engineer | TELUS Digital AI Data Solutions | *June 2023 – Jan 2024*

- Generated and validated **200+ math and programming prompts** to improve LLM reasoning accuracy
- Reviewed and annotated **1,000+ data points** for high-quality Generative AI training datasets

Machine Learning Intern (Team Lead) | Spypro Security Solutions | *March 2023 – June 2023*

- Led a team of **12**, delivering ML projects; achieved **100% on-time delivery** of project milestones, resulting in a Certificate of Excellence from HR for outstanding performance and built supervised ML models for **Credit Card Fraud** and **Email Spam Detection** with **96% accuracy** across a dataset of 5,000+ records.

PROJECTS

Enterprise Test Automation Framework | Playwright, TypeScript, GitHub Actions

- Built a scalable **POM-based automation framework** with parallel execution and CI integration

End-to-End E-commerce Automation Suite | Playwright, TypeScript, GitHub Actions

- Automated complete user flows (Login, Search, Cart, Checkout) with CI-triggered executions

EDUCATION

- **B. Tech (ECE – Major, CSE – Minor) |** Bapatla Engineering College **|** 2024 **| 9.35 CGPA**
- **Intermediate |** Vignana Bharathi Junior College **|** 2020 **| 9.71 CGPA**
- **SSC |** Vignana Bharathi High School **|** 2018 **| 10 GPA**

CERTIFICATIONS & ACHIEVEMENTS

- Merit-Cum **Scholarship** (B. Tech)
- **Best Paper Award** – Deep Learning Project, SIMATS International Conference
- **1st Place** – **Python** Coding Hackathon, MIMO
- **GATE** 2023 Qualified
- **1st Place** – ML Coding Competition (Spypro Security Solutions)
- NPTEL **Cloud Computing – IIT Kharagpur (Silver Medal)**

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