

# Vijeth G. Patil

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## EDUCATION

Arizona State University, Tempe, AZ

MS, Information Technology (GPA: 3.96)

KLE Technological University

BE, Electrical and Computer Engineering (GPA: 3.4)

## SKILLS

- **Programming & Scripting:** Python, Java, JavaScript, TypeScript, XML, JSON
- **Test Automation Tools:** Selenium, Playwright, JMeter, Postman
- **Methodologies:** Agile/Scrum, Functional, Regression, Performance & Load Testing
- **CI/CD and DevOps:** Jenkins, Docker, Kubernetes, Git, GitHub Actions
- **Databases and APIs:** REST APIs, PostgreSQL, MySQL, MongoDB

## WORK EXPERIENCE

### Advanced App Engineering Associate

Sept. 2021 – Dec. 2023

Accenture | Bengaluru, India

- Reduced manual testing by 30% by developing and maintaining automated test cases with Selenium & TestNG.
- Increased defect detection rate by 20% by creating structured test plans for functional, regression, and sanity testing.
- Optimized system load time by 40% by leading performance testing with JMeter to identify bottlenecks.
- Improved microservices reliability by 35% by automating API testing with Postman & REST Assured.
- Minimized deployment failures by 25% by integrating CI/CD testing pipelines in Jenkins

### Software Development Intern

Aug. 2020 - May 2021

Pequre Microelectronic | Hubballi, India

- Cut vehicle wait time by up to **25%** by developing a dynamic traffic signal system based on real-time vehicle density.
- Achieved **95%** accuracy in live vehicle detection by implementing and fine-tuning a YOLOv3 computer vision model.
- Validated traffic flow improvements by analyzing intersection performance data with custom Python scripts

## PROJECTS

- TestOps Nexus - Unified Quality Assurance Platform
  - Reduced test execution time by 60% by implementing thread-safe parallel execution with ThreadLocal WebDriver management and integrating UI, API (RestAssured), and performance testing (JMeter) into automated CI/CD pipeline using GitHub Actions and Docker
  - Achieved 100% automated test coverage across multiple testing layers by building comprehensive Java/Selenium/TestNG framework with data-driven Excel integration, custom TestNG listeners, and automated screenshot capture reporting
- QualityShield - Intelligent DevSecOps Testing Pipeline
  - Delivered comprehensive test automation coverage across UI, API, contract, performance, and security layers by developing full-stack testing pipeline using Playwright, Pact consumer testing, and cross-browser validation with Page Object Model architecture
  - Established zero-defect production deployments with automated quality enforcement by engineering containerized Express.js backend with performance thresholds (500ms p95 latency) and security vulnerability blocking using k6 and OWASP ZAP in GitHub Actions