

UDAYKIRAN KALYANAPU

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EDUCATION:

The George Washington University
Master of Science, Computer Science

Washington, DC
Expected December 2025

- Cumulative GPA: 3.9
- Currently working as Graduate Teaching Assistant for Computer System Architecture Course.
- Coursework: Advanced Software Paradigms, Design Analysis and Algorithms, Computer System and Architecture, Software Engineering, Computer Vision, Object Oriented and Cloud Computing.

Vel Tech University
Bachelor of Technology, Computer Science and Engineering

Chennai, Tamil Nadu, India
May 2022

- Cumulative GPA: 3.5 (8.54/10)
- Major Project – Detection of Cyberbullying using Machine Learning Algorithms. (Published our paper in the International Conference on Emerging Trends in Communication and Networking (ETCAN'21) held from 22.10.2021 to 23.10.2021 sponsored by AICTE).
- Coursework: Artificial Intelligence, Java Programming, Object-Oriented Programming, UI/UX Designing with Kotlin, Cloud Computing Concepts, Data Structures, Web Development, and Python Programming.

EXPERIENCE:

Capgemini
Senior Software Engineer

Chennai, Tamil Nadu, India
October 2022 – December 2023

- Expertise in Selenium scripting using Java, with a focus on developing efficient automation frameworks.
- Implemented a hybrid framework combining Cucumber, Karate DSL, and TestNG for parallel execution and test case prioritization, leveraging BDD principles for seamless collaboration.
- Experienced in API testing using Postman and Rest Assured, along with API test case design and ETL testing.
- Proactively resolved Jira tickets with comprehensive bug fixes, ensuring stable and high-quality software releases.
- Winner of the New Generation Talent Hackathon (2024) at Capgemini Chennai, showcasing innovation and problem-solving in Automation Testing.

Capgemini – Internship
Automation Tester

Chennai, Tamil Nadu, India
February 2022 – April 2022

- Tested and reported defects for a real estate website, Magic Bricks, ensuring software reliability and functionality.
- Performed manual testing, including user stories, test case creation, and test script writing in Selenium for comprehensive test coverage.
- Developed structured defect reports and contributed to test execution, bug identification, and process improvements for enhanced software quality.

PROJECTS:

Flight Ticket Booking | Postman, API Testing, Selenium, Java | Hackathon Project

- Implemented a Selenium WebDriver-based automation framework to support end-to-end testing of a flight ticket booking platform, ensuring thorough validation of critical functionalities.
- Developed and executed over 100 automated test cases using TestNG, achieving comprehensive coverage across all core features such as booking, cancellation, user authentication, and payment integration.
- Conducted extensive cross-browser compatibility tests to ensure consistent user experience and functionality across Chrome, Firefox, and Internet Explorer.
- Collaborated with cross-functional teams in an Agile environment to align test automation strategies with development and business goals, ensuring timely delivery of high-quality software.

CERTIFICATIONS:

- Certified in Salesforce AI Associate.
- Certified in Google Associate Cloud Engineer (Globally Accepted).
- Certified in AWS Cloud Foundations Essentials.
- Certified in Automation Engineering with Selenium - Practitioner level.
- Certified in UI Path RPA Developer Advanced – Level 3.
- Certified in Agile Software Development methodologies.

SKILLS:

- Languages: Java, Python, SQL, Kotlin, Selenium, Karate DSL, Gherkin, JavaScript, HTML, CSS.
- Technologies: Automation Testing, Selenium, Java, Python, Matplotlib, Manual Testing, RestAssured API, Postman, Cucumber, TestNG, Agile Methodologies, UI Path Automation, Jenkins, Jira, GitHub, Git, React.js, PyTorch, PostgreSQL, AWS, Google Cloud, Kubernetes, Docker, Microsoft Office Suite (Word, Excel, PowerPoint, Teams, and Access), Google Workspace (Docs, Sheets, Slides, Meet, and Google Classroom).