

PRANAY DAYANAND

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EXECUTIVE SUMMARY

SDET with experience in UI and API automation Java, JavaScript, Cucumber and Playwright/Selenium. Skilled in building reusable, data-driven test components. Experienced in Database validations and Cloud Technologies, Quick learner focused on quality, scalability, and test reliability.

WORK EXPERIENCE

Cognizant Technology Solutions

Software Development Engineering in Test

Oct 2024 – Present

- **Centrica Neon QE&A | Energy Utilities & Retail Domain**
- Validating complex workflows across the Energy Portal and **Salesforce** systems by designing and executing UI automation using **Java**, **Selenium**, and **Cucumber framework**, ensuring accurate customer journeys, billing behavior, and retail operations.
- Creating modular and reusable automation components by applying **page object design**, **data-driven execution**, improving maintainability and long-term scalability of the framework.
- Performing API testing using **REST Assured** and **Postman**, validating request/response structures, business rules, and backend workflow consistency.
- Supporting **CI/CD** execution by integrating automated suites into **Jenkins pipelines**, managing code repositories through **Git/GitHub**, and leveraging **Maven** for dependency management and structured build processes.
- Executing regression cycles across sprints, covering functional, negative, and edge-case scenarios to ensure stable deployments and reduce production defects.
- Leveraging **GenAI tools such as GitHub Copilot and Microsoft Copilot** to accelerate script development, debugging, optimize workflow efficiency resulting reduction of efforts by 30%.
- **Royal Bank of Canada (RBC) | BFS Domain**
- Contributed to building a scalable automation framework using **JavaScript** and **Playwright**, enabling end-to-end UI and API validation using **Playwright Test** for critical retail banking workflows.
- Developed reusable Playwright modules and custom commands enabling data-driven and **CSV-parameterized** execution, resulting in more consistent and reliable automation runs
- Performed performance and load testing using **JMeter**, generating metrics on throughput, latency, and system stability under different traffic conditions.
- Utilized **Azure DevOps** for pipeline execution, code reviews, traceability, and integration of automated suites into continuous delivery cycles by following **Agile Methodologies**.

EDUCATION

REVA UNIVERSITY – Bengaluru

Bachelor of Engineering, Computer Science; Cumulative GPA: 9.09/10

2020 - 24

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python Fundamentals.

Automation and Testing Tools: Selenium, Playwright, WebdriverIO, Postman, JMeter, Maven.

Frameworks: RestAssured, Cucumber, Mocha, TestNG.

DevOps and CI/CD: Azure DevOps, Jenkins, Git & GitHub.

Cloud and Databases: Microsoft Azure, MySQL, MS SQL Server fundamentals.

PROJECTS

- **Full-Stack Application Delivery Automation**

Java, Selenium, REST Assured, JDBC, Jenkins, Azure.

- Designed an end-to-end automation workflow simulating real-world application delivery scenarios, from UI testing to API validation and database checks.
- Built test suites using Selenium, REST Assured, and JDBC, integrating them into **Jenkins pipelines** for continuous execution.
- Configured deployment and test verification stages through **Azure**, ensuring automated validation across the entire development–deployment lifecycle.

- **Euphoria-FM | Mood-Based Music Recommendation System**

Python, OpenCV, Streamlit, Media pipe, Keras.

- Built a real-time facial-emotion detection system that identifies the user's mood and automatically recommends music through YouTube search integration.
- Built an emotion model using 1200+ expression's image set and achieved around 80% accuracy in detecting emotions.
- Implemented live video capture and processing using **OpenCV**, **Mediapipe**, and deep-learning models in **Keras** to achieve accurate mood classification.
- Developed an interactive UI with **Streamlit** and WebRTC components for smooth video streaming and real-time predictions.

- **Tic-Tac-Toe Interactive Web Game**

HTML/CSS, Bootstrap, JavaScript.

- Developed a lightweight browser-based Tic-Tac-Toe game with win detection, draw handling, and dynamic state management for smooth gameplay.
- Implemented event-driven logic using JavaScript, enabling turn switching, board interaction, and automatic result evaluation.
- Added restart functionality and responsive UI for an improved user experience.

CERTIFICATIONS

- Playwright Automation Testing Fundamentals – Udemy.
- GITHUB Copilot Advanced Program for QEA [201- Intermediate].
- Jenkins: CI/CD Pipelines & Automation – Udemy.
- SOLID Principles of Object-Oriented Design and Architecture – Udemy.