







DEBJYOTI DAS

Automation Test Analyst

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PROFESSIONAL SUMMARY

Results-driven Automation Test Analyst with 3+ years of comprehensive testing experience, specializing in Cypress and Playwright automation frameworks with end-to-end testing solutions. Proven expertise in designing and implementing robust test automation frameworks for web and mobile applications across multiple platforms. Strong technical background in frontend development enhances testing capabilities and cross-functional collaboration. Experienced in manual testing, regression testing, API testing, and CI/CD integration with a track record of reducing manual QA effort by 60% through strategic automation implementation.

EDUCATION

Master of Technology - Computer Science and Engineering

Amrita Vishwa Vidyapeetham, Bengaluru | 2020 – 2022 | CGPA: 8.35

Relevant Courses: OOPS, Operating Systems, DSA, DBMS, Computer Networks, Big Data, AI, Machine Learning, Cloud Computing

Bachelor of Technology - Computer Science and Engineering

Gargi Memorial Institute of Technology, Kolkata | 2014 – 2018 | CGPA: 7.15

Relevant Courses: OOPS, Operating Systems, DSA, DBMS, Computer Networks, C, Automata

TECHNICAL SKILLS

Testing Expertise:

Cypress (Expert), Playwright, Cucumber, Jasmine, Postman, BrowserStack, Jira, TestRail, E2E Testing, Regression Testing, Smoke Testing, API Testing, Cross-browser Testing, Test Planning, Test Case Design, Test Data Management, Bug Tracking

Development Skills:

JavaScript, Python, HTML5, CSS3, SQL, PHP, React JS, jQuery, Bootstrap, Tailwind CSS, NodeJS, Material UI, Git, GitHub, VS Code, GitHub Actions, Jenkins, MySQL, RESTful APIs

PROFESSIONAL EXPERIENCE

SIEVA NETWORKS Pvt Ltd | Associate Software Engineer (QA/Automation Focus)

Kerala, India | Nov 2021 – Present

- Spearheaded automation testing initiatives for SIEVA NETWORKS & Matrack portals, developing comprehensive Cypress test suites covering 100+ test scenarios
- Designed and implemented custom Cypress automation framework for GPS Fleet platform, ensuring consistent functionality across all modules
- Reduced manual QA effort by 60% through strategic automation implementation and CI/CD pipeline integration
- Executed end-to-end testing for web and mobile applications, achieving 99.9% uptime for production releases
- Performed comprehensive manual testing including exploratory testing, edge case validation, and device compatibility testing
- Enhanced user experiences by debugging portal issues and optimizing performance, reducing load time by 30%
- Developed Fuel Finder mobile application using HTML5, Bootstrap, PHP, and MySQL, achieving 5,000+ downloads with 4.5-star rating
- Built responsive frontend interfaces contributing to 16% increase in user engagement
- Implemented parallel test execution and visual regression testing using BrowserStack integration

SIEVA NETWORKS Pvt Ltd | Associate Software Engineer Intern

Kerala, India | Oct 2021 – Nov 2021

- Applied testing best practices and standard operating procedures for feature validation and bug resolution
- Developed high-converting landing pages with integrated sign-up/sign-in functionality
- Implemented project tracking solutions improving application quality by 10%
- Contributed to reducing existing bugs by 25% through systematic testing approaches

PROJECTS

GPS Fleet Platform - Comprehensive QA Automation | Nov 2021 – Present

- Developed complete Cypress automation suite for GPS tracking platform covering login, tracking, notifications, reports, geofences, and user management
- Implemented reusable test components and environment configurations for scalability
- Integrated with BrowserStack for cross-browser testing and parallel execution
- Established CI/CD pipeline integration for automated regression testing

Admin Dashboard Testing & Development | Aug 2024 – Oct 2024

- Automated testing for user management, analytics, and real-time data visualization features
- Implemented performance testing strategies improving data retrieval speed by 25%
- Conducted end-to-end testing across different screen sizes and devices
- **Tech Stack:** React, Material UI, Cypress, JavaScript

E-commerce Platform Testing | Dec 2022 – Jan 2023

- Designed comprehensive test cases for shopping cart functionality, payment processing, and user interactions
- Implemented automated regression tests for inventory management and checkout processes
- **Tech Stack:** JavaScript, HTML, CSS, jQuery, Bootstrap, Cypress

Weather Forecast Application Testing | Apr 2024 – May 2024

- Created API testing suite for weather data validation and error handling
- Implemented UI automation tests for dynamic content rendering and user interactions
- **Tech Stack:** React JS, Tailwind CSS, Material UI, Cypress

Speech Recognition System | May 2021 – Jun 2021

- Created comprehensive test suite for CNN-based speech recognition system
- Implemented audio frequency validation and model performance testing
- **Tech Stack:** Python, TensorFlow, Keras, CNN, Matplotlib

CERTIFICATIONS

- JavaScript Certificate - HackerRank (2024)
- CSS Certificate - HackerRank (2024)
- SQL Certificate - HackerRank (2024)
- HTML, CSS, Bootstrap - Professional Training
- Android Development - Training Program
- ASP.NET - Training Program

KEY ACHIEVEMENTS

- Reduced manual testing effort by 60% through strategic automation implementation
- Achieved 99.9% uptime for production applications through comprehensive testing strategies
- Successfully automated 100+ test cases for enterprise GPS Fleet platform
- Improved application performance by 30% through systematic bug identification and resolution
- Enhanced user engagement by 16% through quality assurance and UI testing contributions