YASH DEEPAK DESHPANDE

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EDUCATION

Stevens Institute of Technology, Hoboken NJ   **Aug 2023 - May 2025**
Master of Science (MS) in Computer Science   *GPA: 3.87/4*
Relevant Coursework: Web Programming, Intro to Cloud Computing, Data Mining, Data Analytics and ML

University of Mumbai, Mumbai, India   **Jul 2017 - Jun 2021**
Bachelor of Engineering (BE) in Information Technology   *CGPA: 8.42/10*

SKILLS

Testing Tools: Postman, SoapUI, Selenium, JUnit, Pytest, JMeter
Testing Types: API Testing, Automation Testing, Regression Testing, Integration Testing, Performance Testing, UAT
Programming: Python, Java, SQL | **Databases:** PostgreSQL, MySQL, Microsoft SQL Server
RPA Platforms: Blue Prism, Pega RPA | **DevOps & CI/CD:** Git, GitHub Actions, Docker, CI/CD Pipelines
Methodologies & Tools: Agile Scrum, Jira, SDLC, Test Management Tools

PROFESSIONAL EXPERIENCE

Hanlon Financial System Center   **Hoboken, NJ**
Graduate Lab Assistant | Stevens Institute of Technology (Part-Time)   *Jul 2024 - May 2025*
- Performed QA testing for the lab's Ghost CMS website, developing new features and modernizing legacy code using JavaScript and Handlebars.js, leading to a 25% increase in user engagement.
- Executed cross-browser, and accessibility testing, resulting in a 30% improvement in accessibility scores.

Tata Consultancy Services (TCS)   **Mumbai, India**
Software Engineer | Full Time   *Jul 2021 - Jul 2023*
- Developed automated backend systems using RPA tools (Blue Prism and Pega) to streamline repetitive operations, reducing manual effort by 40% for an Australian telecom client.
- Integrated automated systems with Microsoft SQL Server to perform data retrieval and updates during execution, supporting 1,000+ transaction records.
- Wrote and maintained 500+ API test cases using Postman and SoapUI for a Middle Eastern telecom client, ensuring 99% accuracy across web, mobile, and customer service platforms.
- Conducted backend data validation using PostgreSQL and contributed to test case creation, increasing test coverage by 25% and reducing defect leakage by 30%.
- Supported UAT testing and release cycles with well-documented test plans and defect logs, ensuring seamless delivery to clients.
- Collaborated in Agile sprints, managing QA deliverables and using Jira for test planning, tracking, and reporting.

RELEVANT PROJECTS

PawPal - A Petcare Services Website (Node.js, Express.js, MongoDB, JavaScript, Postman, Manual Testing)   [Link]
- Created a platform connecting pet owners with care institutions, managing 200+ profiles and service bookings.
- Tested booking flows across user journeys, performing manual testing to validate core functionality and data integrity.
- Built responsive UI components and optimized page load times, enhancing user experience across devices.

Student Information Management System (PHP, SQL, JavaScript, HTML, CSS, SQL Validation, Load Testing) [Link]
- Programmed and Deployed a centralized system for a university KJSIT Mumbai to manage attendance, grades, and events for 2,000+ students, faculty, and parents.
- Simulated high-volume load testing by simulating 100,000+ user records, ensuring backend stability in peak usage.
- Designed and executed 100+ detailed test cases for key modules like attendance, grading, and notifications, improving overall system reliability.

PUBLICATIONS/ACHIEVEMENTS

- **Research Paper:** *Machine Learning Approach for Chemotherapy Suitability Prediction using Genomic Data* – Published on SSRN eJournal (600+ views, 100+ downloads) [Link]
- **Finalist:** Avishkar Research Convention 2021, University of Mumbai