MARUTHI PRASAD BANTU

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PROFESSIONAL SUMMARY

Quality Assurance Tester and Front-End Developer with hands-on experience in automation and functional testing using Selenium and Tricentis Tosca, complemented by expertise in HTML, CSS, and JavaScript for building responsive, user-friendly websites. Adept at bug identification, issue resolution, and enhancing user experience through robust testing and front-end solutions. Seeking roles in QA testing or junior front-end development to leverage a strong technical background and attention to detail.

KEY SKILLS

- **Testing & Automation**: Selenium WebDriver, Tricentis Tosca, API Testing, Functional and Regression Testing

- **Web Development**: HTML, CSS, JavaScript, Responsive Web Design

- **Programming & Scripting**: Python, Java,SQL

- **Tools & Technologies**: Git, MS Excel, Data Analysis (Python, Excel)

- **Soft Skills**: Problem-Solving, Communication, Team Collaboration, Attention to Detail

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EXPERIENCE

Freelance Front-End Developer
March 2024 - Current

- Developed and deployed multiple responsive, user-friendly web pages using HTML, CSS, and JavaScript, ensuring compatibility across devices and browsers.
- Built different projects including personal portfolio website, **maruthiportfolio.com**, featuring an AI chatbot for enhanced user interaction and real-time support.
- Explore additional projects and repositories on my **GitHub**.

QA Tester
Zoraiz Embedded Systems (Remote) | August 2023 – January 2024

- Created and maintained Selenium automated test scripts for web applications, increasing test coverage and product reliability.
- Designed and executed API tests, identified, and resolved defects, and collaborated with cross-functional teams to improve product stability.

Application Development Associate
Accenture Solutions, India | September 2021 - June 2022

- Conducted automation, functional, and regression testing with different test cases in the CI/CD pipeline, resolving 100+ bugs to improve stability.
- Created and maintained automated test scripts with Tricentis Tosca and Selenium, reducing manual testing time by 40%.

NOTABLE PROJECTS

AI-Driven X-Ray Baggage Scanner
- Increased detection accuracy to 92.85%, enhancing the identification efficiency by 40% using YOLO and Faster R-CNN algorithms.
- Analysed 5GB of X-ray data, optimizing precision and reducing scanning time by 20%.
- Project repository and files - **AI X-Ray Baggage Scanner.**

AI Voice Assistant
- Created an AI voice assistant using Python and Selenium, enabling hands-free interactions.
- Features include web searches, reminders, note recording, location-based services, YouTube searches, and automated email and social media login via voice commands.

QA Automation Project
- Developed automated scripts to validate form inputs, workflows, and API responses using Selenium WebDriver.
- Collaborated with developers to streamline testing processes, resulting in faster bug detection and resolution.

Composite Bone Fracture Fixation Plate
- Reduced bone plate failure rates by 13% and weight by 25%, enhancing patient comfort using advanced FEA in ANSYS.
- Conducted stress-strain analysis under simulated loading (up to 10m/s), ensuring real-world impact scenarios.

Portfolio Website Development
- Created and maintained a personal portfolio website using HTML, CSS, and JavaScript.
- Integrated an AI chatbot to enhance user interaction and provide real-time support.

EDUCATION

Masters in Automotive Engineering with Electric Vehicles
Oxford Brookes University | September 2022 - September 2023

Bachelors in Mechanical Engineering
MLR Institute of Technology, Hyderabad | August 2017 - May 2021

CERTIFICATIONS

- Tricentis Tosca, Level 2 – Tricentis, 2022
- Python Programming – Coursera, 2020
- JavaScript Full Stack – Self-Taught, 2024

ACHIEVEMENTS

- Developed a personal AI voice assistant in Python, enabling hands-free web searches, reminders, and automation.
- Created a fully responsive portfolio website, integrating AI features for enhanced user support.