Adithya Salian

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I am a detail-oriented professional with a strong interest in software testing and quality assurance. I am eager to apply my knowledge in real-world projects and contribute to delivering reliable and efficient software solutions.

EDUCATION

Bachelor of Engineering in Electronics and Telecommunication Engineering   Jan 2019 - Jan 2024
Terna Engineering College, University of Mumbai   **GPA:** 8.13 of 10
   Relevant coursework in **Project Management, Management Information System, Cloud Computing & Security and Computer Communication Networks.**

SKILLS

Programming & Scripting: Python, JavaScript, Shell Scripting and SQL

Testing & Automation Tools: Selenium, Playwright, Pytest and Postman

Database: MySQL and MongoDB

DevOps & CI/CD: Git, GitHub and Jenkins

Bug Tracking & Project Management: Jira, Trello and Slack

Operating Systems: Linux and Windows

Others: MS Excel, Chrome DevTools, Visual Studio Code and ChatGPT

WORK EXPERIENCE

Manual Tester   Jan 2025 - Feb 2025
Functional & Regression Testing Project   Navi Mumbai
- **Authored 50+ comprehensive test cases** in Excel, covering **functional, UI, and negative scenarios**, ensuring **100% test coverage**.
- **Executed** manual test cases, identifying **15+ defects**, with a **95% defect reproduction rate** for effective resolution.
- **Logged, categorised, and analyzed** defects, leading to a **30% improvement in software stability** through targeted fixes.
- **Applied boundary value analysis (BVA) & equivalence partitioning (EP)**, improving test effectiveness by **25%**.
- **Maintained** detailed test reports, ensuring **100% traceability** and efficient defect resolution.
- **Test Case Document**: *Click Here*

Final Year Project   Aug 2023 - Nov 2023
Braille Pattern Automation   Navi Mumbai
- **Developed** Python scripts to automate **Braille pattern generation and system control**, reducing manual effort by **40%**.
- **Tested and validated hardware components**, including **solenoids, relays, and Braille keypads**, achieving **95% functionality accuracy**.
- **Debugged and optimized** Python code, improving system response time by **30%** and accuracy by **20%**.
- **Executed 200+ software test cases** across multiple learning modes (Speak & Practice, Type & Practice, Quiz Mode), ensuring **98% reliability**.
- **Evaluated and provided** usability and performance feedback, leading to a **25% improvement in user experience**.
- *Click Here*

College Cultural Festival   Aug 2019 - Nov 2019
Event Volunteer   Navi Mumbai
- **Managed** event entry and provided directions to attendees.
- **Worked** with the team to maintain orderly crowd movement.
- Helped set up and maintain event areas, contributing to a **20% reduction in delays**.
- Managed large gatherings, ensuring a safe and organised experience for over **500 attendees**.

PROJECTS

Voice-Activated Assistant ⬈   Mar 2024 - Nov 2024
- **Designed and Developed** a Python-based voice assistant, achieving **95%+ speech recognition accuracy** for executing commands.
- **Implemented Speech Recognition**, enabling the assistant to open websites and play music with **zero manual input**, improving user convenience.
- **Integrated Text-to-Speech (TTS)** using Google Text-to-Speech (gTTS), reducing response time to **under 2 seconds** for real-time interaction.
- **Managed Project Deployment** on GitHub, making the project publicly accessible and version-controlled, with **clean documentation for easy replication.**

Amazon Web Scraper ⬈   Jan 2024 - Aug 2024
- **Designed & Developed** a fully functional **Amazon Web Scraper**, automating data extraction using **Selenium** and **BeautifulSoup**, reducing manual effort by **90%**.
- **Extracted & Stored Product Data**, collecting **100+ product details** (title, price, and link) and exporting them to a structured **CSV file** for easy analysis.
- **Implemented Error Handling**, ensuring a **95% success rate** in data extraction by managing missing elements and broken links

efficiently.

- **Deployed on GitHub**, enabling **collaborative development** and maintaining a version-controlled, well-documented repository for future scalability.

LANGUAGES

English (Native proficiency) • **Hindi** (Native proficiency) • **Tulu** (Native proficiency)

CERTIFICATIONS

Postman API Fundamentals Student Expert by **Postman**   **Apr 2025**
Certified Tester Foundation Level (CTFL) by **ISTQB**   **Mar 2025**
The Complete Web Development Bootcamp by **Udemy**   **Apr 2024**