

Adithya Salian

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Motivated and detail-oriented engineering graduate with a background in Electronics and Telecommunication. Quick learner with strong analytical, teamwork, and communication skills. Passionate about software quality and continuous learning to improve user experience through smart 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: Database Management System, Cloud Computing & Security, Natural Language Processing, Computer Communication Networks, Artificial Neural Network & Fuzzy Logic, Project Management, Management Information System, Image Processing & Machine Vision.

SKILLS

Tools & IDEs: MS Excel, Chrome DevTools, Visual Studio Code, PyCharm, ChatGPT, Google AI Studio, Claude

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

Database: MySQL, MongoDB

DevOps & CI/CD: Git, GitHub, Jenkins

Bug Tracking & Project Management: Jira, Trello, Slack

Operating Systems: Linux, Windows

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

PROJECTS

Voice-Activated Assistant

Jan 2025 - Mar 2025

- 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.

E-Braille Device

Aug 2023 - Nov 2023

- Developed Python scripts to **automate** Braille pattern generation and system control, reducing manual effort by 40%.
- Designed and executed 200+ **system and functional test cases** across multiple learning modes (Speak & Practice, Type & Practice, Quiz Mode), ensuring 98% reliability and validating user experience.
- Tested and validated hardware components (solenoids, relays, Braille keypads), achieving 95% functionality accuracy.
- Debugged and optimized Python code, improving system response time by 30% and accuracy by 20%.
- Evaluated and provided usability and performance feedback, leading to a 25% improvement in user experience.

CERTIFICATIONS

Postman API Fundamentals Student Expert by Postman

Apr 2024

Certified Tester Foundation Level (CTFL) by ISTQB

Mar 2024

The Complete Web Development Bootcamp by Udemy

Apr 2023

ORGANIZATIONAL & VOLUNTEER EXPERIENCE

Event Volunteer

Aug 2019 - Nov 2019

College Cultural Festival

Navi Mumbai

Managed event entry, provided directions, and collaborated with a team to ensure orderly crowd movement for **500+ attendees**.

Contributed to event setup and area maintenance, improving efficiency and **reducing delays by 20%**.

Demonstrated **organizational skills** and ability to perform under pressure in a dynamic environment.

LANGUAGES

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