

# SANDEEP SOMA

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## Education

Vasavi College of Engineering  
Bachelor's in Mechanical Engineering  
CGPA: 8.33/10

Hyderabad, Telangana  
July 2022

## Technical Skills

**Programming Languages:** Java, Python, JavaScript

**Automation & Testing Tools:** Selenium, Cucumber (BDD), TestNG, Postman, Rest Assured, Perfecto (Mobile Testing), JMeter

**Frameworks:** Spring Boot

**Software Development Concepts:** Object-Oriented Programming (OOPs), Software Testing Life Cycle (STLC), Software Development Life Cycle (SDLC), Agile & Scrum Methodologies

**CI/CD & DevOps Tools:** Jenkins, Git, GitHub, GitHub Actions, Azure DevOps (Basics)

**Cloud & Databases:** Azure Cloud (Basics), Google Cloud, MySQL

**Test Management & Reporting Tools:** Qtest, Jira

## Work Experience

### Accenture

Hyderabad, India

#### Custom Software Engineering Analyst

December 2022 - Present

- Currently working as an **SDET for a US-based client**, engineering robust test automation frameworks, CI/CD integrations, and validation tools to improve quality, coverage, and delivery efficiency across platforms.
- **Proficient in designing and executing automation frameworks** with **Java, Selenium, TestNG, and Cucumber** (BDD and non-BDD), ensuring scalability, maintainability, and CI/CD compatibility.
- **Executed 5000+ test cases** across **Web, Mobile, ADA, API, and Analytics**, identifying **150+ high-impact defects** and **automating 200+ tests** to accelerate regression cycles and reduce manual effort.
- Created detailed test cases from user stories, improving coverage and early defect detection.
- **Strong background in Functional testing (Web & Mobile), UI testing, API testing, ADA testing, and Analytics validation**, ensuring accessibility, functionality, and reliability across releases.
- Hands-on experience testing **Adobe Experience Manager (AEM)** applications, validating components, workflows, and integrations across environments.
- **Developed internal QA tools using Python** — including:
  - **Universal Code Migration Tool:** Designed and developed a Python-based utility to automate repository branch migrations, completing each migration in ~14 seconds per branch and significantly reducing manual workload and human error.
  - **Test Evidence Generator:** Automated the manual screenshot attachment process by integrating captured images directly into test steps and generating test evidence documents, improving accuracy, traceability, and saving ~15 minutes per test case.
- **Implemented CI/CD pipelines using Jenkins and GitHub Actions**, reducing manual deployment effort by ~40% and improving release consistency and reliability.
- **Skilled in integrating automation workflows** with **Qtest and Jira**, enabling seamless test management, defect tracking, and reporting.
- Contributed to the implementation of **Gen AI solutions**, focusing on **defect prediction, test case scoping, test cases generation**, and **identifying duplicate test cases** to boost test efficiency and coverage.
- **Collaborated closely with Development, DevOps, and QA teams** to optimize automation reliability, enable shift-left testing, and enhance CI/CD pipeline performance.
- **Serving as the Primary Point of Contact (POC)** for client interactions and technical delivery, **leading and mentoring 3 Associate Software Engineers** in automation practices and best standards.
- Demonstrated sprint deliverables to stakeholders and recognized for **innovation, ownership, and delivery excellence**.

## Personal Projects

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- **Portfolio Website** — *(HTML, CSS, JavaScript)*  
Built and deployed a fully responsive personal portfolio website to showcase skills and projects. - [GitHub](#) | [Live Demo](#)
- **Spring Boot CRUD API (User Management Tool)** — *(Java, Spring Boot, Thyme leaf, Bootstrap, MySQL)*  
Developed a Spring Boot application for performing CRUD operations using RESTful APIs and integrated front-end using Thyme leaf. - [GitHub](#)
- **Java Selenium POM Framework** — *(Java, Selenium, TestNG, Extent Reports)*  
Built a Selenium Automation Framework using the Page Object Model (POM) approach to enhance code reusability and maintainability. - [GitHub](#)
- **Tic Tac Toe Game** — *(HTML, CSS, JavaScript)*  
Created and deployed a browser-based Tic Tac Toe game featuring interactive UI and responsive design. - [GitHub](#) | [Live Demo](#)
- **Currency Exchange & Cryptocurrency Tracker App** — *(HTML, CSS, JavaScript, API Integration)*  
Developed and deployed a real-time tracker app for monitoring currency exchange rates and cryptocurrency values using live APIs. - [GitHub](#) | [Live Demo](#)
- **Product Web Scraping Tool** — *(Python, BeautifulSoup, Requests, Pandas, Excel)*  
Created a Python-based web scraper to extract and export product details (name, price, rating, availability) from e-commerce sites into Excel files for data analysis. - [GitHub](#)

## Certifications/Skill Badges

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- Generative AI Mastermind (September 2025) by Outskill.
- Google Cloud Certified Associate Cloud Engineer (April 2025) by Google Cloud.
- Google Cloud Certified Cloud Digital Leader (April 2025) by Google Cloud.
- Microsoft Certified: Azure Fundamentals (November 2024) by Microsoft.
- Programming foundations with JavaScript, HTML, and CSS (September 2023) by Coursera.
- SC-900: Microsoft Security, Compliance, and Identity Fundamentals (June 2023) by Microsoft.
- Automated Software Testing (February 2023) by Skillsoft.
- Problem Solving Basic (October 2021) by Hacker Rank.

## Achievements/Awards

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- Participated and Won GCP Accenture premier league contest FY25 Edition.
- Participated and recognized in CyberFest 2023 & 2025 Editions.
- Accenture Excellence Award (ACE) under Team Category in FY24 Q3.
- Tech Expressway Merit Holder in Techgenics stream training FY23 (Accenture's Wall of Fame).
- Secured 31 rank in ECET Entrance examination in Telangana.