

MUGHDA BANSAL

QA/ Automation Engineer

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EXPERIENCE

Meditab Software - QA Intern

March 2026 - May 2026

Executed comprehensive sanity, functional, and regression testing for the Meditab QuickCap product to ensure core features met strict quality standards prior to release.

Authored, maintained, and executed detailed test cases and test scenarios, maximizing test coverage and identifying critical edge cases.

Generated structured bug reports and quality metrics, providing clear visibility into product stability and readiness for the engineering team.

PROJECT

AI-Driven Test Case Generator | [GitHub Link](#)

December 2025

Python · Streamlit · Google Gemini · Pytest · Agentic ID

Developed an intelligent test automation tool using Google Gemini AI and Streamlit to automatically generate comprehensive pytest unit tests from Python source code.

Leveraged Agentic IDE workflows to accelerate the development lifecycle, successfully integrating local repository scanning and API logic in record time.

Streamlined the QA process by reducing boilerplate coding effort and providing an interactive "AI partner" for brainstorming complex edge cases and scenarios

Modular Test Automation Framework (Swag Labs Demo Site) | [GitHub Link](#)

August 2025

Java · Selenium WebDriver · Page Object Model (POM) · Maven

Built a full **POM-based automation framework** from scratch using Java & Selenium.

Automated end-to-end flows (Login → Browse → Checkout).

Implemented **clean page classes**, locator management, and keyword-based methods.

Integrated with **Maven** for dependency management and readiness for CI/CD pipelines.

BookMyDoctor – API Testing | [GitHub Link](#)

June 2025

Flask · Newman · Postman

Developed a **REST API** using **Python (Flask)** allowing users to browse doctors, book appointments

Implemented secure user registration and full **CRUD functionality** for managing appointment data.

Created a Postman collection with 20+ assertions to verify CRUD operations and edge cases for the API

TECHNICAL SKILLS

Automation Tools: Selenium, Playwright, Appium, Katalon

API/Performance Testing: Postman, REST API, SOAPUI, JMeter

Bug Tracking/ Documentation: JIRA, Bugzilla, BDD, Cucumber

Programming & DB: Java, Python, C++, SQL, MySQL

CI/CD & Version Control: Jenkins, Maven, Git, GitHub, GitHub Actions

LLM's and GenAI testing approach, Agile and Scrum

CERTIFICATIONS

Gen AI for Testing - Shiftsync

August 2025

Bugs and Beyond

January 2025

Agile Project Management

September 2025

Web and Mobile Testing using Automation Tools

September 2024

Responsible and Safe AI - NPTEL

December 2024

Core and Advance Java

July 2024

ACHIEVEMENTS

Participated in TestFlix 2024, one of the world's largest virtual testing conferences.

Consistently solved problems on GeeksforGeeks and LeetCode, achieving a 50-day streak on both platforms.

Attended Gen AI for Testers Workshop by ShiftSync

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY

Phagwara, Punjab, India

Bachelor of Technology in **Computer Science** Engineering

August 2022– Present

Minored in International Finance Management