

# SHEENA SAHNI

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## SUMMARY

Quality assurance and Test automation engineer with 8+ years of experience in designing and implementing test automation frameworks for complex projects. Proven expertise in software quality assurance, collaborating with top software companies to enhance product reliability. Skilled in developing BDD/TDD-based automation solutions for API, web, and database testing, with a strong grasp of acceptance criteria. Utilized generative AI models to automate test case creation, ensuring efficient project delivery and quality assurance.

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## EXPERIENCE

### APPLIED MATERIALS INDIA LTD.

Bangalore

#### Senior Software Engineer II

01/2019 to Current

- **Developed and maintained robust automation frameworks** using **Selenium and Playwright** to ensure scalable and reusable test suites for embedded and web applications within semiconductor domain.
- Created reusable UI automation framework for testing end-to-end front-end journeys of multiple applications.
- Developed unit and API automation tests using Java, RestAssured, and the TestNG framework.
- **Collaborated with developers and product teams** to embed automation early in the SDLC, ensuring quality gates at every stage.
- **Integrated agentic AI into QA workflows** like **Claude Code, MCP, and Copilot** for generating automation test scripts for edge-case scenarios, enhancing defect detection, bug creation by providing clear prompts, enhancing coverage, improving reliability, and delivering faster release cycles.
- Optimised defect triaging by leveraging AI-driven root cause analysis, improving bug resolution speed.
- Participated in exploratory testing during early application stages.
- Engaged in Agile methodology and actively participated in Scrum ceremonies.
- Acquired hands-on experience with SQL relational databases.
- Managed version control and software deployment processes using Git and Jenkins, ensuring smooth and continuous delivery of updates.

### WIPRO TECHNOLOGIES : PROJECT - US BANK

Bangalore

#### Senior Project Engineer

01/2018 to 01/2019

- Assisted in automation of web-based banking applications.
- Supported automation efforts for UI applications developed using Angular and React Native.
- Contributed to creation of master test plans for project releases.
- Coordinated with architects, contractors, and stakeholders to facilitate seamless project delivery, minimising disruptions and maximising efficiency.
- Delivered regular project reports to senior management, providing updates on progress, challenges, and solutions.

### WIPRO TECHNOLOGIES : PROJECT -STATE STREET BANK

Chennai

#### Project Engineer

11/2016 to 01/2018

- Established robust programmed of work to meet production targets.
- Collaborated with the business to gather the requirements ahead of development.
- Created an automation framework to automate the AUT, reducing human effort during regression.
- Automated Windows as well as web-based applications of the custodian using UFT with VBScript, as well as Selenium with Java.

### WIPRO TECHNOLOGIES

Vishakhapatnam

#### Project Engineer

11/2016 to 12/2016

- Joined this company as an intern through a college placement.
- Implemented TDD framework to test the Web and Windows-based applications.
- Prepared and demonstrated POCs to the clients using this tool.
- Automated applications like Oracle CCB, My-wipro (internal) portal using selenium-Java framework.
- Raised potential bugs and demonstrated developers by recreating it.

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## SKILLS

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- Java and TypeScript
- BDD and Cucumber
- Selenium and Playwright
- WebDriver and Selenium Grid
- SQL and MySQL
- Oracle database management
- HTML and CSS
- JUnit and TestNG
- Jenkins and Maven
- Postman for API testing
- REST API testing
- Agile methodologies and development
- Test automation strategies
- Continuous integration practices
- Quality assurance processes
- Cross-functional collaboration skills
- Test strategy development

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## ACCOMPLISHMENTS

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- Developed an application using Generative AI - CT GAN to generate datasets having similar attributes which utilized deep learning concepts.
- **Accelerated release cycles** by automating regression and smoke tests within CI/CD pipelines.
- **Improved test coverage to 95%** across UI, API, and performance layers, ensuring higher product quality and fewer production defects.
- Developed frameworks and test reporting utilities using Generative AI for better utilisation of Automation infrastructure.

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## EDUCATION

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**BACHELOR OF TECHNOLOGY: BACHELOR OF TECHNOLOGY**

2016

**Dehradun Institute of Technology, Dehradun**

- Coursework in Electronics and Communication Engineering
- B.Tech

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## WEBSITES, PORTFOLIOS AND PROFILES

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<https://www.linkedin.com/in/sheena-sahni-120605236>

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## CERTIFICATIONS

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- Hackathon winner - Leveraged Generative AI models from CT-GAN to create datasets with similar attributes.
- Generative AI -Claude code certified

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## HOBBIES AND INTERESTS

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- Reading
- Hosting the events and attending various book community sessions.
- Fitness enthusiast