

# Srishti Maheshwari

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## EDUCATION

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### Birla Institute of Technology and Science (BITS), Pilani

B.E.(Hons.), Electrical and Electronics Engineering

Pilani

Aug 2016 - June 2020

## EXPERIENCE

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### Apple, Hyderabad

Software Engineer - 3

Oct 2022 – May 2023

- Utilized industry-standard testing tools to execute test cases and automate repetitive testing processes, increasing efficiency by **15%**
- Integrated testing processes seamlessly into the **CI/CD** pipeline, ensuring continuous and automated testing for every code change, leading to faster releases and reduced defects
- Designed and implemented automation frameworks based on **TestNG** and **Cypress** for validating feature functionality and data systems
- Successfully integrated **SonarQube** into the testing process, enhancing code quality analysis and ensuring adherence to best practices and coding standards
- Implemented **OWASP** security guidelines within the testing framework, effectively identifying and mitigating potential security vulnerabilities early in the development cycle
- Orchestrated the adoption of code coverage tools like **JaCoCo**, resulting in a **20%** increase in code coverage across projects and improved overall software quality
- Mentored junior SDET team members, providing guidance on test automation best practices, coding standards, and technical problem-solving

Software Engineer - 2

July 2020 – Sept 2022

- Created comprehensive **test plans** and reviewed them closely with stakeholders, including developers, product managers and architects for **20+** product features, ensuring coverage of all functional requirements
- Automated detailed test cases for **12+** backend services using Java, deployed the code and monitored the regression of tests, reducing manual testing efforts by **30%** and increasing **test coverage**
- Developed and maintained comprehensive test suites for unit, integration, and end-to-end tests to ensure code functionality and stability, using **Java** and **Python**
- Led the effort to create performance and load testing scenarios using tools like **JMeter**, uncovering system bottlenecks and enabling proactive optimization
- Collaborated with cross-functional teams to analyze and triage defects, providing clear and detailed bug reports, **RCA** and assisting in troubleshooting efforts
- Adopted a **shift-left** approach to testing, advocating for early testing in the development process and reducing post-release defects by **15%**

Software Intern

July 2019 – Dec 2019

- **Designed** and **developed** a responsive web application for serving real time impressions to the user
- Implemented **RESTful APIs** using Java based **Spring** Framework with embedded Tomcat Server and Maven as the build tool to support backend
- Implemented DAO classes for executing CRUD operations by using JDBC transactions and, created and integrated basic **SQL** scripts for fetching the data from the DB
- Developed a complex and dynamic User Interface using **HTML5**, **CSS3**, **JS** and **Ajax** toolkit
- Utilised **websockets** to create persistent client server connections for HTTP requests and to push continuous real time data to clients

## TECHNICAL SKILLS

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**Languages/Database:** Java, C++, HTML/CSS, SQL, SAS, OOP

**Web Technologies:** Springboot

**Software & Tools:** TestNg, Selenium, Cypress, Linux, Tableau