

# BHAVYA GUPTA (HE/HIM)

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## EDUCATION

**SRM Institute of Science and Technology, Kattankulathur (KTR), Chennai, India**

Bachelor of Technology in Computer Science with specialization in AI/ML; **CGPA: 9.24; 2019 – 2023**

**Bhai Parmanand Vidya Mandir School (BVM), Delhi, India**

CBSE Class XII ; **Percentage: 88.2% ; 2019**

**Bal Bharati Public School, Ghaziabad, India**

CBSE Class X ; **CGPA: 9.20 ; 2017**

## EXPERIENCE

**Syntasa- QA Automation Engineer**

Full-time

**Remote**

Nov, 2023 - Current

- Proficient in **Java Selenium** for developing **Automation Test Scripts** and maintaining **Test Suites** for **UI** testing, focusing on Syntasa Platform hosted on **AWS, GCP** and **Azure**.
- Developed a custom **Java Selenium TestNG Maven Framework** from scratch and seamlessly migrated **Groovy** based automation scripts from **Katalon Studio** to the new framework.
- Developed a full-fledged **Extent Reporting** system with a customized **Dashboard** for the automation framework.
- Integrated a customized **Apache Log4j Logging Framework** with the automation framework for detailed logs, enhancing debugging simplicity.
- Developed and automated **API** test cases using **Postman** and **RestAssured** for efficient testing.
- Implemented **Cross-Browser Testing** into the automation framework and Jenkins to ensure compatibility across different browsers- Chrome, Firefox, Edge, and Safari.
- Collaborated with cross-functional teams to integrate the Java Selenium framework into the **Jenkins CI/CD pipeline**, created a freestyle project in jenkins linked to **Bitbucket**, and integrated **Docker** with Jenkins.
- Aligned UI and API automation with planned **Releases, Hotfixes, Regressions**.
- **Optimized** automation **execution time and costs** by implementing **Parallel Execution** within the framework, **Parallel Builds** in Jenkins, and efficient management of **Explicit Waits** within scripts, enhancing overall efficiency.
- Engaged in creating **Test Plans** and **Objectives** for **Sanity, Regression, Integration** testing ensuring thorough coverage.
- Participated in Developing **Documentation** and **Monitoring** activities for Syntasa's clients and customers.

**Tekion Corp- Software Development Engineer in Test (SDET)**

Internship

**Chennai**

Jan, 2023 - July, 2023

- Worked on **Tekion Automation Java Selenium Framework** in **Parts** module for the product- **Automotive Retail Cloud (ARC)** which seamlessly connects automotive retail operations on a unified cloud platform.
- Developed and Executed multiple **Automation Test Scripts** and maintained **Test Suites** utilizing the **TestNG Maven** framework, **Selenium WebDriver**, and **Java** for discrete sub-modules.
- **Debugged** and **Stabilized** existing scripts with respect to updated UI versions and **Revamped** (2.0) screens.
- Integrated automation testing into the **Jenkins** pipeline for **CI/CD**.
- Experienced with enterprise bug tracking and resolution tools like **JIRA, GitLab, Bitbucket** and **Confluence**.
- Reviewed stories and participated in **Scrums, Iteration Planning, Release Planning** and **New Feature Demo** meetings.

**HighRadius- Software Engineer**

Internship

**Remote**

Feb, 2022 - April, 2022

- Developed and performed **End-to-End testing** for an AI-enabled FinTech B2B Invoice Management application using **Web Development** and **Java Selenium**.
- Developed and implemented comprehensive **manual test** scenarios, and successfully automated them using Java and Selenium, facilitating end-to-end testing processes.

## TECHNICAL SKILLS

**Languages:** C/C++, Python, Java, Groovy, HTML + CSS, Javascript, SQL

**Technologies/Frameworks:** Selenium, TestNG, NLP, Machine Learning, Tailwind CSS, TensorFlow, OpenCV, Relational Databases, AWS, GCP, Azure, Bootstrap

**Developer Tools:** Git, Github, Gitlab, Bitbucket, Anaconda, Katalon Studio, PyCharm, Gradle, Maven, Docker, VS Code

## PROJECTS

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### End-to-End Web Automation Framework | [GitHub](#), [Demo Report](#)

- Developed a comprehensive **Page Object Model (POM)-based test automation framework** utilizing **Java**, **Selenium**, **TestNG**, and **Maven**, streamlining the automation of web applications.
- Designed and implemented **reusable common methods** to optimize script development, significantly enhancing the efficiency and scalability of web automation.
- Integrated **cross-browser** testing capabilities , enabling seamless testing across **multiple browsers**, including Chrome, Firefox, Edge, and Safari.
- **Customized Extent Reports** to provide detailed execution reports with a user-friendly **dashboard** for better monitoring and analysis of test results.
- Integrated a robust logging mechanism using **Apache Log4j**, offering detailed logs to facilitate efficient debugging and quick resolution of defects.
- **Implemented parallel execution** at suite, test, and method levels to enhance execution speed and efficiency, with compatibility for both **headed** and **headless** modes.
- Developed multiple **Java-Selenium scripts** for automating various modules in a demo e-commerce web application.
- Optimized the framework for **CI/CD integration**, ensuring smooth execution in modern DevOps pipelines.

### Twitter Data Sentiment Analysis - NLP | [GitHub](#)

- Trained a Support Vector Machine to predict the sentiment of a given piece of text
- Trained on a corpus of 3000+ tweets and accomplished an F1-Score of **82%**

### UniFit | [GitHub](#), [Demo](#)

- Assembled a **6-person team** for **Smart India Hackathon** (Internal) to build UniFit in under **24 hours**.
- Architected an **AT-Home AI-powered fitness experience** that uses **Google's Mediapipe** for **Pose Estimation**.
- Improved the model to measure every pose of the user with more than **85% accuracy**.
- Contributed in developing the **Front-End** of the web app using **Next JS**, **Tailwind CSS** and **React Hooks**.

## LEADERSHIP / EXTRACURRICULAR

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- \* **Awarded** by the publication, Konfidantee Xpress, for being an Active Social Worker and a true **Leader** for forming and leading a community of **2,500+** including volunteers and helpers during the **Covid-19 Pandemic**.
- \* Conducted multiple **Technical Interviews** for prospective candidates.
- \* Achieved **Top-5** in Smart India Hackathon (Internal).
- \* Qualified for the **City Finals of Times NIE Aptitude Challenge**.
- \* Bagged **School Rank-1**, **State Rank-6** and **National Rank-33** in the International English Olympiad.
- \* Qualified for the **City Finals of Think Learn Challenge** presented by **Byju's Classes and Times Of India**.
- \* **Extra Curricular** : Achieved several awards in **Piano**, excelled in **Swimming** competitions, and possess strong **Photography** skills.