TANISHQ SEHGAL
SOFTWARE ENGINEER

✉ tanishqsehgal.ts@gmail.com   📞 **+91- 7428245100**   🌐 **Portfolio Website**   🐱 **Github**   Ⓜ **Medium**   in **Linkedin**

EDUCATION

Bharati Vidyapeeth's College of Engineering, New Delhi
B.TECH - Electronics and Communication Engineering (ECE) - CGPA: 8.86/10

Salwan Public School, Rajinder Nagar, New Delhi
Higher Secondary School (XIIth)
Secondary (Xth)

EXPERIENCE

Software Engineering Analyst – Accenture (June 2024 – Present)
- **Core Automation Team – Bharti Airtel**
  - Played a key role in developing and maintaining the End-to-End API Automation framework for automating routine testing scenarios, significantly improving efficiency and accuracy.
  - Developed and maintained a Telegram chatbot leveraging the Aiogram library to streamline account data retrieval from the main database via a Flask API after validating the data through multiple platforms, ensuring real-time, accurate data access for client operations.
  - Developed and integrated an intelligent test re-execution feature with Jenkins, automating error analysis and re-runs using a predefined error message dictionary. Provided testers the flexibility to instantly re-run intermittent failures or manually trigger reruns by uploading a collaborative Excel report. Reduced manual effort by 2-3 hours/day, optimizing testing efficiency across all Bharti Airtel automation projects.
  - Mentored teams in developing efficient automation solutions and seamlessly integrating them with Jenkins, reducing manual effort by over 50%.
- **Interaction Automation Project – Bharti Airtel**
  - Developed an **API testing automation framework using Python's Behave library, reducing manual testing efforts by 90%.**
  - Mentored other **team members on utilizing the framework and executing test scenarios and writing test scripts using Gherkin syntax.**
  - Boosted **automation coverage from 47% to 90%, ensuring comprehensive and efficient testing processes.**

Associate Software Engineer - Accenture (December 2022 - May 2024)
- Created the automation testing framework with Python and Gherkin, analyzed and incorporated new edge cases and negative case validation to meet evolving requirements.
- Automated all APIs with validation checks and assertions using Python-Behave framework and Jenkins for reducing 90% of the manual effort.
- Automated multiple regression and sanity tests for 1000+ test data entries to ensure robust API testing for all LOBs at Bharti Airtel.

Android App Development Intern at Unolo (Smartsense Technologies)
(July 2021 - September 2021)
- Engineered features such as Random Reauthentication to efficiently track the field-force while they are on duty and Task Reminders to manage the daily tasks of field-force better.
- Incorporated a comprehensive redesign of the Onboarding Screen for the Unolo App, which led to a reduction in the onboarding time, increased engagement, and facilitated faster access to core app features for a seamless experience.
- Led the improvement of the Unolo App's UI by integrating animations to improve the overall aesthetic appeal of the app.

PROJECTS

Test Automation on TestMe App (with Cucumber BDD Scripts, Selenium, TestNG, and Page Object Model)

Test Automation on TestMe App (with Selenium and Java and Extent Reports)

Currency Converter - A web-based currency converter using React and JavaScript, delivering real-time exchange rates and enabling users to seamlessly convert currencies, enhancing financial convenience and accuracy. (Github Repository)

Random Password Generator - (Github Repository)

NoteItAll: Note-taking Android App to save important notes implemented with Clean Architecture (Github Repository)

RemindMe App - Android Mobile App to efficiently manage and track daily tasks and reminders with timed notifications and alarms (Github Repository)

SCART: Self Checkout Payment Android App using MVVM Architecture Pattern (Github Repository)

BVPIEEE Official App: Android App for BVPIEEE (IEEE's Student Branch at BVCOE) (Github Repository)

Quiz App - Android App to play quizzes written as per MVVM Architecture Pattern (Github - Java Version)
(Github Kotlin Version)

SKILLS AND TOOLS

Technical Skills - Backend Development, Spring Boot, Spring MVC, Core Java, Java 8, Stream API, Collections Framework, Data Structures, Automation Testing, Python Behave, Selenium, TestNG, JUnit, AssertJ, Cucumber BDD, API testing, SQL, Jenkins CI/CD
Soft Skills - Leadership, Communication, Teamwork, Logical thinking and problem analysis.
Tools - Pycharm, Eclipse IDE, Intellij Idea, Git, Github, Bitbucket, Postman, JIRA, Jenkins, Maven, Gradle

ACHIEVEMENTS
- **All-Star Award - Accenture (Bharti Airtel Project)**
- **Start Performer - 2023 - Accenture (Bharti Airtel Project)**
- **Android Development Internship Certificate of Appreciation at Smartsense Technologies (Unolo)**