SAHIL GHARAT

Buffalo, NY | sgharat@buffalo.edu | (716) 533-8260 | www.linkedin.com/in/sahil-gharat72/

EDUCATION

Master of Science, Computer Science & Engineering   **Dec 2023**
University at Buffalo, The State University of New York
Relevant Coursework: Data Modelling & Query Language, Analysis of Algorithms, Distributed Systems, Blockchain Application Development.

Bachelor of Technology, Electronics Engineering   **May 2021**
SARDAR PATEL INSTITUTE OF TECHNOLOGY, **CGPA (8.59/10)**
Relevant Coursework: Fundamentals of Operating Systems, Object Oriented Programming, Computer and Communication Networks, DSA.

WORK EXPERIENCE

Software Developer, Institutional Shareholder Services, Mumbai, India   **Jan 2021 - Jul 2022**
- Spearheaded end-to-end SDLC for three applications, employing Java, Selenium, JMeter, and TestNG to re-architecture an automation framework reduced regression testing time by 50% and elevated QBIT team productivity.
- Excelled in performance testing with JMeter and Selenium, achieving 80% code coverage, deploying Docker and Kubernetes, and improving CI/CD pipelines with Jenkins for seamless application optimization.
- Innovated API testing by adopting JMeter, quadrupling testing time, automating post-testing tasks using Python, and overseeing RESTful API testing with AWS DynamoDB for Relational DB and DocumentDB for MongoDB integration.
- Trained 7 freshers in Java Selenium automation, while managing Performance Testing Department and addressing performance issues.

Java Developer (Intern), TechSkills IT, Mumbai, India   **Jan 2020 - Jun 2020**
- Enhanced system efficiency by 40% through adept fusion of Spring Boot, J2EE, XML, Hibernate, JPA, JDBC, and JSP as well as SOAP and JMS messaging services while harnessing Maven and Gradle for effective project builds and dependency management.
- Refined database operations with PostgreSQL and Oracle DB integration, achieving a 30% boost in response times, and fortified application security by leveraging Spring Security, Thymeleaf, and Spring MVC.
- Initiated cloud advancements with Spring Cloud implementation, resulting in a 50% surge in service uptime, and increased team collaboration by 2x through effective SVN version control mastery.

PROJECTS

Property Sphere - MERN End to End Project (React, Express, MongoDB, Node.js, Typescript, Material UI)   **Apr 2023**
- Designed a full-stack property management application React, Node.js, Express, MongoDB, Material UI for responsive and mobile-first design, TypeScript, and Google Authentication to handle 1,000+ property listings and 500+ users.
- Converted Figma designs into responsive interfaces, executed CRUD functionality, and combined Cloudinary for optimized image storage, lazy loading, leading to a 30% improvement in load times and 25% reduction in bandwidth usage.
- Simplified deployment using Netlify and refine, ensuring high availability and seamless updates, while boosting user trust and retention by 20% with secure Google Authentication.

GameMaster Hub: React Application (React, RAWG API, Chakra UI, Postman)   **Mar 2023**
- Constructed a responsive video gaming application using React 16, Chakra UI, and RAWG API, boosting performance for desktop, tablet, and mobile devices, enriching user experience across 3 platforms.
- Applied robust CRUD operations, advanced filtering, and sorting features to efficiently organize and access 1000+ games based on compatibility, resulting in a 50% faster search experience for users and incorporated WAI-ARAI practices.
- Leveraged Postman for thorough API testing, ensuring seamless integration, and built application to Vercel, yielding a 25% faster deployment and increased reliability.

Bank Management System: Java based Desktop Application (Java, Swings, AWT, JLabel, JFrame, MySQL)   **Feb 2020**
- Devised an efficient Java-based bank management desktop application, using OOP principles, Java Swings, AWT, JLabel, and JFrame, resulting in a 35% enhanced user experience and 20% reduction in system errors.
- Merged a MySQL database with expert Java-MySQL connectivity, incorporating robust exception handling, and contributing to a 15% improvement in query response times, showcasing comprehensive Java proficiency.

Car-Rental Database Design (MySQL, Python, Jupyter Notebook, Fake generator API, MySQL Workbench)   **Dec 2022**
- Formulated a robust SQL schema for a car rental system, handling 50,000+ records, managing data, and instituted automating billing and rental updates via triggers and procedures, resulting in a 100% reduction in manual processing time.
- Utilized Python and Fake Data Generator API to produce realistic data sets, facilitating accurate simulations and seamless system functionality during testing.

Colour Guessing Game (HTML, CSS, JS, JQuery, Bootstrap)   **May 2022**
- Created an engaging RGB Color Guessing Game, captivating active users and doubling average session by 100%.
- Implemented HTML5, CSS3, JavaScript, jQuery, Bootstrap, and local storage, also incorporating Flexbox, Grid and ES6, resulting in a responsive web app was 100% based on vanilla JS and deployed on GitHub.

TECHNICAL SKILLS

Programming Languages:	C, R, Python, C++, Powershell, Golang (Go), PHP.
Databases:	MS SQL Server, SQLite, MariaDB, Hadoop / Hive, S3, AWS Lake Formation, Microsoft Azure, NoSQL.
Web Technologies:	Angular, Vue.js, Asp.net, Django, WebPack, Gulp, Jest, Figma, Sketch, Adobe XD.
DevOps / Cloud:	AWS, Google Cloud Platform GCP, Chef, Puppet.
Miscellaneous:	GIT, Agile Methodologies (Scrum), Unit testing (Junit), UI/UX Design Principles, Web performance, Design patterns.

CERTIFICATIONS / TRAININGS

Oracle Certified Java Foundations Associate - Java Certification.	AWS Certified Cloud Developer - Associate (April'2023).
Oracle Database SQL, (1Z0-071) - Oracle.	AWS Certified Solutions Architect - Associate.
Oracle Cloud Infrastructure 2022 Foundation's Associate.	AWS Certified Cloud Practitioner.
Hackerrank Certification - Java and Python.	Complete React Training by Mosh Hamedani.
The complete Web-Developer's bootcamp on Udemy.	Docker & Kubernetes Bootcamp - Training.