

# SHISHIR KUMAR SINGH

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Location: Orlando, Florida.

## PROFESSIONAL EXPERIENCE

### Graduate Research Assistant

05/2024 – Present

UCF Rosen College of Hospitality and Management

Orlando, FL

- Developed a cross-platform employee engagement app with Flutter and Firebase, boosting participation by 35%.
- Utilized Firebase for backend services, ensuring seamless data sync and secure user management.
- Implemented secure CRUD APIs, reducing data inconsistencies by 25% and added advanced filtering options, enhancing user interaction by 45%.
- Collaborated with a team using Git and Agile, delivering features faster.

Skills Utilized: Flutter, Dart, Firebase, Android Studio, VS Code, Git, Agile, Firestore

### Graduate Research Assistant

09/2023 – 05/2024

Florida Solar Energy Center

Cocoa, FL

- Redesigned and updated Building Energy code compliance software to meet 2023 Florida Building Commission standards using MS Access, SQLite, and C#.
- Prepared databases with over 250,000 records, achieving 99.5% data accuracy.
- Produced 50+ monthly reports using DevExpress Environment and tailored 30+ reports from energy modeling software with C#.
- Collaborated with a 15-member team, meeting project milestones on or ahead of schedule 95% of the time.
- Provided critical insights and data-driven recommendations, enhancing decision-making and improving data consistency.

Skills Utilized: C#, SQLite, MS Access, DevExpress, Data Structure and Algorithms, Visual Studio

### Software Engineer

08/2019 – 07/2021

Sopra Steria

Noida, India

- Developed 4+ projects, meeting 100% client requirements and delivering 98% of projects on time.
- Orchestrated 200+ test cases using Java and implemented 50+ automated tests with Selenium, resulting in a 25% reduction in software bugs and a 40% boost in testing efficiency.
- Mentored 5 junior developers, conducting 100+ monthly code reviews to ensure a 95% adherence to best coding practices.
- Championed the execution of Agile methodologies in 4+ projects, resulting in a 20% rise in productivity and 30% quicker time-to-market.
- Operated software version control using Git for 4+ projects, ensuring 99.9% source code integrity and maintaining a 95%+ client satisfaction rate.

Skills Utilized: Java, Selenium, IntelliJ Idea, SoapUI, Jira, SVN, Maven

## PROJECTS

### Check Seat Availability at MyUCF ([GitHub Project Link](#))

- Created a bot for the MyUCF portal that continuously checks course availability, notifying students via email when a seat is open and assisted over 30 students in enrolling in desired courses.

Skills Utilized: Java, Selenium, Java mail API.

### Leetcode Github Sync Chrome Extension ([GitHub Project Link](#))

- The project designed to seamlessly integrate and synchronize users' LeetCode solutions to a dedicated GitHub repository. This integration ensures an organized and systematic collection of coding solutions, enhancing portfolio showcasing.

Skills Utilized: Javascript, Python, JSON, Github OAuth, GraphQL, html, GIT, Webstorm

### Spring Space Mobile Application ([GitHub Project Link](#))

- This project a cross-platform employee engagement app with Flutter and Firebase, enhancing user interaction and data management through secure sync and CRUD APIs, utilizing Agile collaboration and Git.

Skills Utilized: Javascript, Python, JSON, Github OAuth, GraphQL, html, GIT, Webstorm

## EDUCATION

Master of Science in Computer Science, University of Central Florida, Orlando, FL

08/2024

Bachelor of Technology in Computer Science, AKTU, Lucknow, India

07/2019

## SKILLS

- Languages: Java, C#, Dart, Python, HTML, CSS, XML
- Frameworks: Bootstrap, Material, Spring, Spring Boot, Hibernate
- Databases: MySQL, SQLite, PostgreSQL, NoSQL, MongoDB
- Libraries and Other Tools: Maven, Gradle, Firebase, Selenium, Jira, SVN, GitHub, AWS (EC2), Agile, SoapUI, DevExpress, Firebase, Android Studio, VS Code, IntelliJ Idea, Visual Studio