



Academic Details			
Year	Degree	Institute	CGPA/ Marks(%)
2024	B.Tech Mechanical and Aerospace Engineering	IIT Hyderabad	9
2020	XII (Telangana State Board of Intermediate Education)	FIITJEE JUNIOR COLLEGE, Vittalwadi, Narayanguda, Hyderabad	94.6%
2018	X (Central Board of Secondary Education)	ATOMIC ENERGY CENTRAL SCHOOL-2, Hyderabad	96.8%

Scholastic Achievements

- Scholarship Awardee of National Talent Search Examination (NTSE) - 2018 with a state-level rank of 11.
- Secured national rank of 2503 and was school topper for National Level Science Talent Search Examination (NSTSE).

Past Experience

- Worked as SDET Intern in MediBuddy with QA - Automation team from January 2023 to June 2023.

Skills

- Programming Languages** : C/C++, Java, Kotlin, Python, SQL
- Web Technologies** : HTML, CSS, Bootstrap, Javascript ES6
- Testing Frameworks** : Selenium, Appium, TestNG
- Database** : SQLite
- Version Control Systems** : BitBucket
- Software Tools** : MATLAB, Android Studio, Katalon Studio, TenjinOnline, Jenkins, Postman, Appium Inspector, TestRail, JIRA, Confluence, Jupyter Notebook

Relevant Courses

Computer Fundamentals

- Introduction to Programming - Institute Course
- Data Structures & Applications - Institute Course
- Algorithms - on Udemy

Software Development

- Web Development - on Udemy
- Android and Kotlin Development - on Udemy

Systems

- Computer Architecture - on Udemy
- Operating Systems - on Udemy
- Database Management Systems - on Udemy

Projects

Semester Internship Project : App Automation

- Developed new and fixed existing automated test scripts using Java, Appium and TestNG to perform Android UI testing on the MediBuddy mobile application, expanding automation coverage to 80% of all UI tests (from ~50% earlier) with ~ 99% pass percentage compared to ~35% earlier.
- Integrated TestRail with the test script and conducted regression testing to verify the impact of bug fixes and new feature implementations on the existing functionality of the MediBuddy app.
- Configured the setup and environment for parallel execution of the Android UI automation test scripts on a local device farm using Jenkins.
- Developed and executed comprehensive end to end test cases using Katalon Studio for the MediBuddy application, covering Android, iOS, API, Visual and Web interfaces, ensuring seamless functionality, interoperability and user experience.

Android App Development Project

Developed and deployed multiple Android applications using Kotlin and Android Studio, such as :

- QuizApp** : An interactive quiz application with MCQ's, score-tracking and an engaging UI.
- ChangeColourApp** : A mobile application allowing users to change background color randomly with a tap, featuring a simple and intuitive UI.
- InchesToCmApp** : A utility application to convert inches to centimeters, providing an input interface for inches and display for converted value in centimeters.

Estimating percolation threshold (via Monte Carlo simulation)

- Model of a percolation system using a $n \times n$ grid. Multiple simulations can be run on the model to provide an estimate of percolation threshold which is used to check the likelihood of percolation occurring.
- It is used in various models like an electrical model to see if it conducts, a social interaction model to see if it can communicate etc.