Venkat Akhil Yerru

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Summary

Computer science graduate from VIT University, currently pursuing a master's degree in Engineering Science (Data Science) at the University at Buffalo. Gained valuable experience through a 10-month internship at Nokia, where I developed proficiency in automated testing. Engaged in hands-on experience with Data Analytics and Java projects. I'm now eager to transition into a developmental role and am available for an immediate start. Looking forward to accepting new challenges and technologies to meet the continuous requirements of the IT world and apply my skills in the growth of the organization.

Education

Vellore Institute of Technology | Chennai, Tamil Nadu
M.Tech Integrated - Software Engineering | 08/2023

- CGPA: 8.75

Sri Chaitanya Junior College | Hyderabad, Telangana
12th Standard - Intermediate | 04/2018

- Score: 95.8%

Skills

Python, Java, Front-End Development, Web Development, Data Science, R, SQL, Automation Testing, REST API

Experience

Nokia | Bangalore, Karnataka
Automation Test Engineer | 08/2022 - 05/2023

- Developed and executed test scripts for Cloud Femtocell Manager (CFCM) using Robot Framework and Python, gaining hands-on experience in automated testing. Utilized CFCM to create femtocells through GUI/NBI and REST API methods, gaining practical insights into Swagger and REST communication protocols.
- Automated testing for 5 femtocell features, leading to a substantial reduction in manual testing time from hours to just 15 - 20 minutes, thereby improving testing efficiency and accuracy.
- Conducted manual and regression testing, ensuring comprehensive evaluation of software functionality and performance. Focused on Fault and Configuration management aspects, contributing to improved network functionality.

Projects

COVID-19 Student Mental Health Analysis — R, Python

Conducted a data analysis project project exploring the impact of the pandemic on students' mental well-being, employing data collection and visualization techniques to reveal pertinent psychological effects. Empowered the university to customize support strategies based on these findings, contributing to the development and implementation of more effective well-being initiatives in response to the challenges posed by COVID-19.

Virtual Classroom Sentinel | Java, Servlet, MySQL.

Implemented a screen activity monitoring for students in online classes through Java programming. The system records and manages screen activity data in a database, enabling faculty to pinpoint students' attendance and participation in online classes. Achieved heightened student engagement as measured by a 30% increase in active participation by enacting the project.

Unihealth: Student COVID App | Android, Java, Kotlin.

Designed and developed an android app for collecting and visualizing COVID-19 data, enabling the university to monitor student health and assess pandemic impact. Increased data accuracy by 20% and enabled real-time decision-making. Streamlined health data collection, resulting in a 90% vaccination certificate success rate and a marked increase in the accuracy of student health information.