Akhilesh Keerthi

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HIGHLIGHTS OF QUALIFICATIONS

- Skilled in Test Automation with around 3 years of industrial experience, expert coding in Python, Java, SQL and automation frameworks like Pytest, Pyunit / JUnit, Robot-Framework on Selenium.
- Performs Requirements Analysis, Test Script Planning, Develop Automation scripts & test, Test Matrices Creation, Effort Estimation, ALM Structuring, Task Allocation, identifies risks, and closes knowledge gaps quickly to offer value to the employer and the team.
- Innovated tools in Test automation for Rest API validations, a Test plan automation application named Rubix using Python, Robot-Framework, Selenium.
- Well versed with Database design, normalization and performance tuning, ETL processes, Data migration and integration coupled for the Data Ware House or ETL Validations.

EDUCATION

George Mason University, Fairfax, VA   *Jan 22* - *Dec 23*
   Graduate in Masters Data Analytics Engineering, 3.24,
Vidya Jyothi Institute of Technology, Hyderabad, India   *Jun 14 – Apr 18*
   Bachelor's Degree, Computer Science Engineering

RELEVANT COURSES

- Object Oriented Design, Software Architecture, Embedded Systems
- Distributed Systems, Operating Systems
- Software Testing Methodologies
- Web Technologies
- Big Data Analytics

PROJECTS / PUBLICATIONS

- **Terrorism Trends Analysis, GMU**   *Aug 23 – Dec 23*
  A complete statistical analysis on various operational capabilities, tactics and incidents in terrorism field to draw out interesting insights that helps the understand the trends to maintain global decorum, under the guidance of the world's renowned Global terrorism research analyst, Dr. Mahmut Cengiz.
  GitHub - akhiltodecode/Top-Gun-Patriots
- **Academic Research on the Education Quality**   *Jan 23 – June 23*
  Carrying out a thorough data analysis to discern the correlation between income and the standard of schooling in the USA.
  GMU - Proposal_home (gmu.edu)
- **Analyzing College Scorecards to What's Best**   *Jan 22 - May 22*
  To assist you in making the best decision when enrolling in college, various visualizations are created that take into account student admission rates, retention rates, median salaries, and fee structures.
  GMU - Analysing College Scorecards to What's Best (akhiltodecode.github.io)
- **Hewlett-Packard Enterprise – QA Engineer**   *Jan 19 – Jul 21*
  Working in cross-functional agile teams on HPE Server management tools, by automating /scripting performance measurement through various testing strategies like functional, non-functional (including

performance, load, stress, usability, and compatibility testing), security (involving vulnerability scanning, penetration testing), reliability, availability, configuration management, backup, recovery, regression, compliance, user acceptance, scalability, cross-browser, and end-to-end testing. 3 projects are as follows

      a. Cirrus Automation Framework

      b. Cirrus Provisioning Tool

      c. Bluebird VTC

SKILLS

- Programming Languages: Python, Java, R-Studio
- Frameworks: KDD - Robot Framework, Selenium, Jenkins, Gherkins, BDD – cucumber, YAML, CI/CD process flow
- Software Engineering: Test Automation with Python, Java, R, Unix/Linux, Shell Scripting, API Testing
- Database Management: SQL, MySQL / Microsoft SQL Server, Postgres, AWS Redshift and other
- Tools: Jupiter Notebooks, Git, Jira, Putty, IIS Servers, VM-Ware Host management, Pycharm, Eclipse, Visual-Studio, Microsoft tools, Postman
- Big Data Technologies: Spark, AWS

EXPERIENCE

SOFTWARE ENGINEER IN TEST

- Spearheaded the automation of scripts on Server Management Applications, delivering a 25% increase in Data Gathering, Pre-processing, and Cleaning capabilities in CSV format. Leveraged advanced techniques, including REST APIs, JIRA Automation, Web Scraping, and Regression Analysis. Developed innovative tools that significantly augmented product functionality and provided valuable predictive insights.
- Achieved a remarkable 40% improvement in Integration and Regression Analysis efficiency by implementing Python scripting with the Robot-Framework, Selenium.
- Collaborated seamlessly with global teams utilizing agile methodologies, playing a pivotal role in the success of high-impact projects such as the Cirrus Automation Framework and Bluebird VTC. Contributed to various projects implementing CI/CD practices, leading to successful project outcomes and earning recognition for sustained excellence.
- Instrumental in the success of HPE products through active involvement in the test automation of the Cirrus Automation Framework and Bluebird VTC. Delivered substantial contributions that directly contributed to achieving project goals and maintaining the high standard of HPE products. Performed valuable Quality Analysis by scripting in Python with Robot-Framework /Jenkins for Integration, and Regression Analysis.

WORK HISTORY

George Mason University & GTTAC, Fairfax, VA   ***Aug 23 – Dec 23***

- **Data Analyst / Scrum Master**

Barnes & Noble's Company, Arlington, VA   ***Aug 22 – Dec 22***

- **Retail Sales Operation, Campus Store,**

Mphasis Ltd., Bangalore, India   ***Jan 19 – July 21***

- **Software Engineer in Test / QA**

HONORS & AWARDS

Team-Apex Award at Mphasis,   ***Jun 21***

Summit Award at Mphasis,   ***Aug 19***

Pat-on-the-back for innovations on multi-threading, efficient bug catcher, automation   ***Dec 20, Jan 21 & Jan 21***