Akhilesh Keerthi

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HIGHLIGHTS OF QUALIFICATIONS

- Skilled in Software Test Automation with around 3 years of industrial experience, expert coding in Python, Java, SQL.
- 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 and normalization, Indexing and performance tuning, ETL processes, Data migration and integration, Experience with platforms like MySQL, Microsoft SQL Server, Oracle and other

PROJECTS / PUBLICATIONS

- **Playwright's E-Commerce Test Suite - SDET, QA**   *Feb 24 – Mar 24*
  The E-commerce Testing Suite is a project built from the ground up, starting with the basics, to provide an insightful resource for diving into automation testing with Playwright starting from beginners. By covering key functionalities such as user authentication, product browsing, and cart management, this project aims to serve as comprehensive learning tool for aspiring automation tester.
  GitHub – Playwright_TestSuite

- **Terrorism Trends Analysis, GTTAC, GMU – DA, QA, Scrum Master**   *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 – Developer, QA, DA**   *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 - Developer, QA, DA**   *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 Automation Engineer**   *Jan 19 – Jul 21*
  Played a pivotal role in championing success within cross-functional Agile teams, driving impactful outcomes in 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

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

EXPERIENCE / WORK HISTORY

SOFTWARE ENGINEER IN TEST   *Jan 19 – Jul 21*
Mphasis Ltd, Hewlett-Packard Enterprise, Bangalore, India

- 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.

RETAIL SALES OPERATIONS (Part-time)   *Aug 22 – Dec 22*
Barnes & Noble's Company, Arlington, VA

- Leveraged my IT background to streamline retail processes and optimize efficiency in inventory management, contributing to the seamless operation of Barnes and Noble's campus store.
- Demonstrated exceptional customer service skills through effective communication and problem-solving in a dynamic retail environment, fostering positive relationships with patrons and colleagues alike

DATA ANALYST, QA ENGINEER, SCRUM MASTER   *Aug 23 – Dec 23*
George Mason University & GTTAC, Fairfax, VA

- Crafted over 60 visual insights through meticulous analysis of diverse capabilities, tactics, and incidents within the realm of terrorism. These insights significantly augment the comprehension of trends, playing a pivotal role in fortifying global order and security efforts.
- As Scrum Master, spearheaded the data analytics capstone project to success by orchestrating agile methodologies and leveraging JetBrains YouTrack platform for seamless collaboration. Additionally, authored and assigned 20 new user stories and tasks, amplifying project momentum and ensuring timely delivery, resulting in heightened client satisfaction.

SKILLS

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

RELEVANT COURSES

- Object Oriented Design, Software Architecture, Embedded Systems
- Distributed Systems, Operating Systems
- Software Testing Methodologies
- Web Technologies
- Statistical Methods for Data Science

HONORS & AWARDS

Team-Apex Award at Mphasis, Summit Award at Mphasis   *Jun 21, Aug 19*
Pat-on-the-back for innovations on multi-threading, efficient bug catcher, automation   *Dec 20, Jan 21 & Jan 21*