

Akhilesh Keerthi

+1 423-284-6591, akhileshkeerthi@gmail.com/akeerthi@gmu.edu, Fairfax, VA, 22031

Portfolio: [AkhileshKPortfolio](#) Linked-In: [AKHILESH KEERTHI | LinkedIn](#)

HIGHLIGHTS OF QUALIFICATIONS

- Proficient in Test Automation with 3 years of industrial experience, excelling in Python, Java, and SQL coding. Augmented by 2 years of master's degree expertise in Data field, enhancing capabilities in data-driven solutions.
- 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

- **Terrorism Trends Analysis, GTTAC, GMU – DA / 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](https://github.com/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 \(gmu.edu\)](https://proposals.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 \(akhiltodecode.github.io\)](https://github.com/akhiltodecode/Analysing-College-Scorecards-to-What's-Best)
- **Hewlett-Packard Enterprise – QA Automation 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

EDUCATION

George Mason University, Fairfax, VA

Graduate in Masters Data Analytics Engineering, 3.24,

Jan 22 - Dec 23

Vidya Jyothi Institute of Technology, Hyderabad, India

Bachelor's Degree, Computer Science Engineering

Jun 14 – Apr 18

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, 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, Selenium, Jenkins, Gherkins, BDD – cucumber, YAML, CI/CD process flow, Playwright, Cypress
- Software Engineering: Test Automation with Python, Java, R, Unix/Linux, Shell 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: Azure, AWS cloud architecture, 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,

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