# Akhilesh Keerthi

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Portfolio: AkhileshkPortfolio Linked-In: AKHILESH KEERTHI | LinkedIn

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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.
- Skilled with tools like REST APIs, Docker, WebdriverIO, Rdbms, PyCharm, GitHub, Jira, strong experience in the AWS cloud environment.
- 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.

## EDUCATION

George Mason University, Fairfax, VA                                   ***Jan 2022* - *Dec 2023***

        **Graduate in Masters Data Analytics Engineering**, 3.24,

Vidya Jyothi Institute of Technology, Hyderabad, Telangana                 ***Jun 2014* - *Apr 2018***

        **Bachelor's Degree in Technology, Computer Science Engineering**

## RELEVANT COURSES

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

## SKILLS

- Programming Languages: Python, Java, R-Studio
- Software Engineering: Python Automation, Java Scripting & R-Scripting, Unix/Linux scripting
- Frameworks: Robot Framework, Selenium, Jenkins, Gherkins, BDD - cucumber YAML, CI/CD process flow
- Database Management: SQL, MySQL / Microsoft SQL Server, AWS Redshift
- Tools: Git, Jira, Putty, IIS Servers, VM-Ware Host management, Pycharm, Eclipse
- Big Data Technologies: Spark, AWS Redshift

## PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER

- 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.

## MASTER'S ACADEMIC EXPERIENCE
### DATA ANALYTICS ENGINEERING
- Engaged in an intensive and interdisciplinary curriculum in the College of Engineering and Computing, I pursued advanced studies focusing on data analytics, data engineering, and AI/ML concepts.
- Proficient in tools like Python, R-Studio, SQL, and AWS, dedicated to leveraging cutting-edge technologies for data-driven decision-making and continuously stay versed of advancements through projects and workshops.

## PROJECTS / PUBLICATIONS
- Academic Research on the Education Quality                              **Jan 2023 – June 2023**
  Conducting a thorough data analysis to discern the correlation between income and the standard of schooling in the USA.
  GMU - [Proposal_home (gmu.edu)](Proposal_home (gmu.edu))
- Analyzing College Scorecards to What's Best                           **Jan 2022 - May 2022**
  To assist you in making the best decision when enrolling in college, here, various analysis is developed by considering factors like student admission rates, retention rates, median salaries, and fee structures.
  GMU - [Analysing College Scorecards to What's Best (akhiltodecode.github.io)](Analysing College Scorecards to What's Best (akhiltodecode.github.io))
- Hewlett-Packard Enterprise Projects                                    **Jan 2019 – Jul 2021**
  Working in cross-functional agile teams on HPE Server management tools, by automating 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.
    a. Cirrus Automation Framework
    b. Cirrus Provisioning Tool
    c. Bluebird VTC

## WORK HISTORY
Mphasis Ltd., Bangalore, India                                          **Jan 2019 – July 2021**
- **Software Engineer**

Barnes & Noble's Company, Arlington, VA                                 **Aug 2022 – Dec 2022**
- **Retail Sales Operation as Part time, Campus Store**

## HONORS & AWARDS
Team-Apex, Summit Award at Mphasis                                       **Jun 2021, Aug 2019**
National Level Badminton Winner                                         **2017,2018**