

# Akhilesh Keerthi

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

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Recent Master's graduate in Data Analytics Engineering and former Software Engineer seeking a challenging role in Software Development to leverage expertise in Python/ Java Dev/Automation, data engineering / analysis, and machine learning.

## HIGHLIGHTS OF QUALIFICATIONS

- Skilled with tools like Azure Databricks, REST APIs, Tableau, Power BI, DevOps, Rdbms, PyCharm, GitHub, Jira, strong experience in the AWS cloud environment and many other.
- Skilled in Python-Automation with 2.5+ years of industrial experience, expert coding in Python, Java, R, SQL.
- Well versed with Database design and normalization, Indexing and performance tuning, Extract, Transform, Load (ETL) processes, Data migration and integration, Experience with platforms like MySQL, Microsoft SQL Server, or Oracle, Normalization techniques.
- 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.
- Strong passion for AI/ML and new tech.

## EDUCATION

George Mason University, Fairfax, VA

*December 2023*

**Graduating in Masters, Data Analytics Engineering, 3.25,**

Vidya Jyothi Institute of Technology, Hyderabad, Telangana

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

## RELEVANT COURSES

- Data Mining and Machine Learning
- Big Data Analytics
- Data Visualizations
- Statistical Methods for Data Science

## PROJECTS

- Academic Research on the Education Quality *Jan 2023 – June 2023*  
Carrying out a thorough data analysis to discern the correlation between income and the standard of schooling in the USA.  
GMU - [Proposal home \(gmu.edu\)](#)
- GTTAC's & The Schar School's - Terrorism and Transnational Attacks Analysis *Aug 2023 – Dec 2023*  
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](#)
- Analyzing College Scorecards to What's Best *Jan 2022 - May 2022*  
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.

## SKILLS

- Programming Languages: Python, Java, R-Studio
- Software Engineering: Python Automation, Java Scripting & R-Scripting
- Data Analytics: Pandas, NumPy, Scikit-Learn, Polars
- Database Management: SQL, MySQL / Microsoft SQL Server
- Tools: Jupiter Notebooks, Git, Jira, Putty, IIS Servers, VM-Ware Host management, Pycharm, Eclipse
- Big Data Technologies: Spark
- Data Visualization: Matplotlib, Seaborn, Tableau, Power-BI
- Frameworks: Django, Spring, Robot Framework, Jenkins

## EXPERIENCE

### SOFTWARE ENGINEER

- Performed valuable Quality Analysis by scripting in Python with Robot-Framework /Jenkins for Integration, and Regression Analysis.
- Had extensive experience working with the team & clients overseas, utilizing agile methodologies to drive successful project outcomes.
- Automating scripts on Server Management Applications by Data Gathering, Data Pre-processing and Data Cleaning in csv and scripting.
- Developed multiple Automated tools which includes REST APIs, JIRA Automation, Web-Scrapping and Regression Analysis scripts to leverage the product functionality and predict outcomes.
- Collaborated with global teams using agile methodologies, contributing to the success of HPE products, Cirrus Automation Framework, Bluebird and other projects.

## 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, Campus Store,**

## Honors & Awards

Team-Apex Award at Mphasis,

*Jun 2021*

Summit Award at Mphasis,

*Aug 2019*

National Level Badminton Winner,

*2017 & 2018*