Akhilesh Keerthi

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Recent Master's graduate in Data Analytics Engineering and experienced Software Engineer seeking roles in Data Analytics Engineering, Software Development/Automation. Leveraging expertise in programming, data engineering/analytics, 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 others.
- Skilled in Python-Automation with 2.5+ years of industrial experience, expert coding in Python, Java, SQL.
- 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.
- 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.

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

Bachelor's Degree in Technology, Computer Science Engineering

RELEVANT COURSES

- Object Oriented Design, Software Architecture, Embedded Systems
- Data Mining and NLP
- Big Data Analytics
- Data Visualizations
- Statistical Methods for Data Science

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, AWS
- Data Visualization: Matplotlib, Seaborn, Tableau, Power-BI
- Frameworks: Django, Spring, Robot Framework, Jenkins, YAML, CI/CD process flow

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER

- Performed valuable Quality Analysis & Assurance by scripting in Python with Robot-Framework /Jenkins for Integration, and Regression Analysis.

- Automated scripts on Server Management Applications for Data Gathering, Pre-processing, and Cleaning in CSV, utilizing various techniques, including REST APIs, JIRA Automation, Web Scraping, and Regression Analysis. Developed tools to enhance product functionality and predict outcomes.
- Collaborated with global teams using agile methodologies, played a key role in the success of HPE products, including the Cirrus Automation Framework and Bluebird VTC, as well as various projects incorporating CI/CD practices. Contributed significantly to achieving successful project outcomes.

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 Tableau, dedicated to leveraging cutting-edge technologies for data-driven decision-making and continuously stay versed of advancements through projects and workshops.

PROJECTS

- 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
- 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)
- 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)
- Hewlett-Packard Enterprise Projects   *Jan 2019 – Jul 2021*
  HPE Server management tools, automates 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, Campus Store,**

HONORS & AWARDS

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