Raghothama, Rao Pranesha

[Raghothama Rao Pranesha | LinkedIn](#) | +19452091822 | raghothama.raop@gmail.com | [Portfolio](#) | Richardson, TX

EDUCATION

MS in Information Technology and Management | The University of Texas at Dallas | GPA - 3.95 May 2024
Course Work: Object Oriented Programming in Python, Database Foundations (SQL & MongoDB), Intelligent Enterprise Systems with SAP, Big Data, Advanced statistics for Data Science, Cybersecurity Fundamentals.

CERTIFICATIONS AND TECHNICAL SKILL EXPERIENCE

Tools: MS Excel, Alteryx, Google Data Analytics, Power BI, Tableau, Salesforce, Hadoop, Impala, Oozie
Programming: Python (NumPy, Pandas, Matplotlib, Seaborn), SQL, R, Java, C, C++, Javascript, HTML5, CSS3
Operating Systems: Linux, Unix, Windows
Software: MS Office (Word, Excel, Outlook, Power Point), SAP NetWeaver, Jira, Spark, Testrail, Jenkins
Databases: MySQL, MongoDB, Hive, SQLite
Certifications: Python, SQL, DataScience Foundation, Cybersecurity Essentials, Java, DevOps Foundations
Soft Skills: Proactive, Analytical Thinker, Goal-Driven, Collaborative.

PROFESSIONAL EXPERIENCE

Itron, *Intern V - Global Managed Services Technical Operations* September 2023 - Present
- Streamlined the automation of quality checks for the company's software installations, saving 20 hours weekly.

Forcepoint, *IT Intern - Business Applications* June 2023 – August 2023
- Collaborated with cross-functional teams, including finance, accounts, and integration, to automate payment processing using Salesforce integrated with Boomi, resulting in a 12-hour reduction in weekly manual work.
- Analyzed and identified a system loophole allowing incorrect company code application post-order completion; devised a solution using Boomi that saved 4 hours of manual work weekly.
- Analyzed and improved Salesforce transaction-level dates on invoices and credit notes across different time zones.
- Contributed to project management by creating 10 stories and overseeing sprints in Jira, implementing agile methodologies for efficient project execution

Mphasis Limited, *Software Engineer* July 2021 – June2022
- Achieved an 89% increase in efficiency by automating software testing using Testrail, Python RobotFramework, and Selenium, while implementing comprehensive test suites and Agile methodology for Sprint and epic management.
- Saved an estimated 32 hours of manual work per week by integrating Jenkins with Jira and Testrail, allowing the team to focus on critical tasks and improving productivity.
- Reduced backlogs by 48% through the development and implementation of automated performance dashboards using Python, Jira, Testrail, and SQL. Deployed the entire process on Jenkins through Github, ensuring real-time insights to managers and facilitating data-driven decision-making.
- Pioneered the introduction of a method to automate UI operations based on computer vision and successfully eliminated tedious manual tasks, resulting in an additional 4% reduction in backlogs and further improving overall team efficiency.
- Championed a culture of continuous improvement, driving a 30% increase in software development efficiency, delivering high-quality service 48% faster than before, and ensuring customer satisfaction ratings increased by 40%.

ACADEMIC PROJECT EXPERIENCE

Exploratory Data Analysis Project | Python November 2022-December 2022
- Scrutinized and transformed the California State occupational data using Python(Pandas and Numpy)
- Directed an in-depth exploratory data analysis by visualizing the data using Python (Matplotlib and Seaborn) to draw insights on long-term occupational employment projection.

Smart Vineyard using ML | Python- Tensorflow, Keras, Scikit-learn, Opencv, Numpy, Pandas May 2020 – July 2020
- Spearheaded the development of a highly effective machine learning model for viticulture optimization utilizing Convolutional Neural Network (CNN) algorithm and Python, achieving an impressive 87.76% efficiency rate.
- Authored a pioneering machine learning model, which was published in the esteemed Journal of Applied Science and Computations, showcasing expertise in machine learning model optimization

LEADERSHIP, AFFILIATIONS AND ORGANIZATION EXPERIENCE

The Product Base, UTD, *Website Officer* February 2023 - Present