

# Raghothama, Rao Pranesha

[Raghothama Rao Pranesha | LinkedIn](#) | +1 9452091822 | [raghothama.raop@gmail.com](mailto:raghothama.raop@gmail.com) | Richardson, TX 75080

---

## 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.

**Bachelor's in Telecommunication Engineering | Visvesvaraya Technological University** August 2020

---

## 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

**Mphasis Limited, Bangalore, Trainee Associate Software Engineer, HPI** July 2021 – June 2022

- 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%.

**All India Radio, Bangalore, Intern** July 2019 – August 2019

- Contributed to live broadcast and event production by setting up audio equipment, coordinating with guests and hosts, and ensuring smooth program flow.
  - Acquired technical and creative understanding of radio broadcasting, and improved communication and teamwork skills through regular interaction with team members and guests.
- 

## ACADEMIC PROJECT EXPERIENCE

**Exploratory Data Analysis Project, UT Dallas | 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

**Ananya2k19, KSIT, Bangalore, Cultural Head** March 2019 – April 2019

**Vanquish2k19, Telecommunication Dept., KSIT, Organizer** September 2019