

# Raghothama Rao Pranesha

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## Education

### The University of Texas at Dallas

#### MS. Information Technology and Management

Aug 2022 - May 2024

- **GPA – 3.88 | Related courses:** Object Oriented Programming in Python, Database Foundations (SQL & NoSQL), Intelligent Enterprise Systems with SAP, Big Data, Advanced statistics for Data Science, Cybersecurity Fundamentals.

## Skills

**Languages and Frameworks:** Python, C, C++, R, SQL, Hadoop, JavaScript, React, Git, Shell Scripting

**Technical Skills:** Automation, DevOps, Machine Learning, NLP, Object-Oriented Programming, Data Engineering

**Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, OpenCV, Matplotlib, Keras

**Tools:** GitHub, MySQL, Spark, RobotFramework, Ansible, Jenkins, Kubernetes, Docker, Tableau, RabbitMQ, MS SQL, MongoDB

## Work Experience

### Itron

#### DevOps Engineer

- Contributed solutions by taking full-time engineering responsibilities from day one despite the intern role.
- Streamlined automation solutions to improve team efficiency by over 70%.
- Automated system, database and application operations with shell scripts, increasing efficiency by 65%.
- Crafted end-to-end customer operations automation with Python RobotFramework, elevating efficiency by over 70%.
- Engineered a full-stack application leveraging React.js, Next.js, TypeScript, and Node.js, emphasizing user experience and minimizing page load times by 30%.
- Designed and deployed distributed systems with Docker, ensuring scalability and bolstering fault tolerance, resulting in zero downtime across services.
- Developed custom API endpoints and combined them with RabbitMQ, improving data integrity by 25% and reinforcing system security through secure message handling.
- Architected and implemented a secure backend database in MySQL, accelerating query response time by 40% in a distributed environment.

### Forcepoint

#### IT Intern

Jun 2023 - Aug 2023

- Collaborated cross-functionally to automate payment processing using Salesforce integrated with Boomi, trimming manual work by 12 hours weekly.
- Rectified a system loophole in company code application post-order completion, using Boomi to save 4 hours weekly.
- Revamped Salesforce invoice and credit note processes by synchronizing transaction-level data across six different time zones, refining accuracy by 25% and reducing discrepancies by 15% monthly.

### Mphasis

#### Software Engineer

Jul 2021 – Jun 2022

- Enhanced testing efficiency by 94% with automated testing using TestRail, Python Robot Framework, and Selenium, ensuring comprehensive test coverage and Agile management.
- Employed Jenkins with Jira and TestRail, saving 32 hours weekly and boosting team productivity.
- Revised team efficiency by additional 4% utilizing computer vision for UI operations automation.
- Simplified backlogs by 48% through developing performance dashboards with Python, Jira, TestRail, and SQL on Jenkins via GitHub, providing real-time, data-driven insights.
- Orchestrated Scheduled Data Retrieval for ETL process decreasing latency of performance dashboards by 30%.

## Projects

### Tailoresume

Sep 2024 – Present

- Developed, an AI-driven application leveraging GeminiAPI, Google AI, and AWS to dynamically tailor resumes, advancing efficiency by 50% and cutting down manual editing time by 70%.
- Designed a user-friendly frontend interface saving an overall 70% of time in application.