Goutham Kishore Krishnamoorthy

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Summary

Data Science Master's student at the University of Texas at Arlington with 2.5 years of IT industry experience. Proficient in data analytics, ETL processes, cloud deployment, and DevOps. Skilled in developing end-to-end business technology solutions and eager to leverage data-driven insights to drive strategic decision-making.

Education

2024 - present Master's in Data Science at **University of Texas at Arlington** (GPA: 3.66/4.0)

2017 - 2021 B.Tech in Computer Science Engineering at **Vel Tech High Tech** (Affiliated to Anna University) (GPA: 7.65/10.0)

Work Experience

Software Engineer, CGI Oct 2021 - Jan 2024

- Developed an ETL system and data mart for BI reporting, significantly improving data accuracy and report generation speed.
- Worked on cloud deployment, CI/CD pipelines, and DevOps tasks, deploying ETL/BI applications on Cloud and automating processes.
- Acted as a technical player, resolving multiple technical issues and mentoring team members for cross-skilling/upskilling.
- Customized functionalities of NiFi and Superset applications, implementing user security and encryption models.
- Provided walkthroughs of NiFi features and data architecture to management for effective data ingestion.
- Created Proof of Concepts to test functionalities and processes.

Outcomes

Improved Data Accuracy	The ETL system significantly improved data accuracy by 25%, leading to more reliable business intelligence reporting.
Increased Report Generation Speed	Report generation speed improved by 40%, reducing the time needed for stakeholders to access critical data.

Projects

Credit Collections Product, CGI

Developed a comprehensive ETL system to streamline data processing for business intelligence reporting, significantly improving data accuracy and report generation speed.

IOT Based Crowd Analyzer Using Raspberry Pi (2021)

This utilizes the technique of passive Wi-Fi sensing using Tshark to determine the no. of people present at the location where Raspberry Pi is placed and all such Raspberry Pi update their estimated crowd at their location to a MySQL database, which is retrieved by a webpage created using flask and display the live crowd present at various locations to its users.

Training and Certifications

Scala Certification Coursera Link

PySpark Essentials Udemy Link

Skills

Data Tools	Apache NiFi (ETL), Apache Superset (BI Reporting), Apache Kafka/Confluent Kafka (Data Streaming)
Databases	MongoDB, PostgreSQL, Oracle
DevOps and CI/CD Tools	Kubernetes, Docker, Helm, Concourse
Frameworks	AngularJS, Spring Boot
Office Tools	Microsoft Excel, Microsoft Office
Collaboration Tools	JIRA
Version Control	GIT
Programming Languages	Scala, Python, Java, SQL
Web Technologies	HTML, CSS, JavaScript, Bootstrap