

# Likhith C R

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## Summary

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As a Data Analytics Engineer at Glassbeam since February 2022, I specialize in developing and optimizing end-to-end solutions for complex machine data analytics, particularly in the healthcare sector. My expertise includes building interactive dashboards using Logi Analytics, JavaScript, HTML, CSS, jQuery, and Vertica, with a focus on enhancing user experience and data visualization. I've developed internal configurable dashboards and daily status reports, utilizing technologies like SQL, VBScript, and scheduling services. I have also designed multiple Tableau dashboards for Clinsights, improving machine health monitoring for CT and MR systems. Additionally, I've automated new customer deployments using Python and shell scripts and implemented an ETL solution for Tableau performance testing using TabJolt, AWS S3, Python, Vertica, and Matplotlib

## Skills

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Python, JavaScript, Tableau, Vertica SQL, MySQL, HTML, CSS, JQuery, Logi Analytics, GitHub, SQL, Docker, pyspark, Matplotlib

## Experience

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**Glassbeam India Pvt Ltd | Karnataka, Bangalore**  
**Software Engineer | 04/2023 - Present**

*provides end-to-end solutions for complex machine data analytics, powering the Internet of Things (IoT) and machine learning applications.*

- Developed interactive dashboards using Logi Analytics, JavaScript, Vertica, SQL, enhancing user experience and data visualization.
- Created daily machine health status reports and internal configurable dashboards using JavaScript, CSS, SQL, and scheduling services.
- Designed Tableau dashboards for Clinsights, improving MR and CT machine health monitoring with Vertica live/extracted data sources.
- Automated customer deployments and implemented ETL solutions for Tableau performance testing using Python, AWS S3, and Matplotlib.
- Developed complex Vertica SQL queries for Tableau dashboards and created efficient data sources to enhance data visualization.
- Created a comprehensive data pipeline that streamlined the ingestion and processing of machine data, achieving a 30% reduction in data processing time and facilitating faster insights for predictive analytics initiatives.

**Glassbeam India | Bangalore**  
**Associate Software Engineer | 02/2022 - 03/2023**

**Title: Automated Data Aggregation and Transformation for Insight Generation**

- Developed a Python script to automate the extraction and aggregation of data from multiple clusters, consolidating it into a single largest cluster for streamlined analysis and insight generation.
- Performed data transformation and cleanup processes before ingestion to ensure data consistency and quality.
- Integrated data from diverse sources, including Amazon S3 and Azure Data Lake, and efficiently loaded it into Vertica for further analysis and reporting.

**Verzio | Bangalore(Remote)**  
**Intern | 07/2021 - 12/2021**

- Organized files and reports, and enhanced technical skills with Python scripts and basic SQL for data handling and manipulation
- Reduced staff workload, enabling focus on high-priority tasks, and applied industry-specific concepts for practical experience.

## Education

**Bus Management System (2021)** -Front End : Python -Back End :MySQL -Description:A desktop application built using python and MySql database.this application is designed for maintenance of the records of the bus, employees who drive them, number of routes, distance from source to destination, stations in each route, timings of arrival and departure of buses.

**Wireless intrusion detection (06/2022)** Machine Learning algorithms The task is to build a network intrusion detector, a predictive model capable of distinguishing between bad connections, called intrusions or attacks , and good normal connections.

## Certificates

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Apache Spark with Databricks for Data Engineers, DataVidya, Problem-solving with python ,Hackerrank, Linux and Bash Scripting, Coursera

## Contact Details

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## Personal Projects

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**Title : Implemented an ETL Solution for Tableau Performance Testing via TabJolt :**

- The project involved using TabJolt for performance testing, AWS S3 for log storage, Python for data extraction and transformation, Vertica for data warehousing, and Matplotlib for performance trend reporting. Implemented automated email notifications for performance deviations. Technologies: Python, TabJolt, AWS S3, Vertica, Matplotlib, SQL

**Title: Clinsights Data Analytics:**

- Implemented advanced data visualization techniques within Tableau, resulting in a 15% reduction in misinterpretation of key metrics and enhancing team presentations with clearer, more impactful visual data representations.

**Title: IPL Data Analysis Using Apache Spark and PySpark**

- Executed a project titled *"ipl-data-analysis-apache-spark-project"* using PySpark for efficient data transformation and cleanup.
- Loaded raw data from Amazon S3 and performed data preparation to ensure it was ready for analysis.
- Leveraged Matplotlib to visualize insights and trends from the cleaned IPL dataset, enabling better understanding and reporting of key findings.