

Jayakrish MK

Data Scientist

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[GitHub: https://github.com/Jayakrish-MK?tab=repositories](https://github.com/Jayakrish-MK?tab=repositories)

Professional Summary

Data Scientist with **2 years of experience** in building and optimizing data pipelines, implementing ETL workflows, and delivering data-driven solutions. Proficient in **Python, SQL, Spark**, and **PostgreSQL**, with hands-on experience in **ML/DL model development**, data wrangling, and statistical analysis. Skilled in **TensorFlow** and **NLP**, with a strong foundation in **big data** processing. Adept at collaborating with cross-functional teams to drive **business insights** and enhance **ad performance**..

Technical Skills

Programming: Python, SQL, PySpark

Data Engineering: ETL, Airflow, dbt, PostgreSQL, AWS (Glue, EMR, Redshift)

Machine Learning: TensorFlow, ML/DL models, NLP, Generative AI, LLMs

Big Data: Apache Spark, DataFrames, RDDs

Tools & Technologies: Git, Docker, Segment, Jupyter, VS Code

Professional Experience

ML Data Associate

Amazon

03/2022 – 02/2023

- Analyzed and processed large datasets from Amazon's fulfillment centers to improve machine learning models.
- Analyzed and processed **large datasets** to enhance **ML models** for ad recommendations and campaign performance optimization.
- Provided data labeling and annotation to improve the accuracy of AI-driven automation in warehouse operations.
- Ensured **data accuracy and quality** by validating and correcting **ML model outputs**, enhancing inference reliability.
- Collaborated with **engineers, PMs, and analysts** to refine **data labeling guidelines** and optimize model training processes.
- Received the **Best Employee Award** for outstanding contribution to **ML model performance** improvements.

Trainee Software Developer

Wyzmindz Solutions Pvt. Ltd.

07/2021 – 03/2022

- Assisted in developing business intelligence (BI) solutions, including dashboards and reports.
 - Worked with SQL and data visualization tools to analyze and present insights.
 - Supported data extraction, transformation, and loading (ETL) processes for reporting.
 - Collaborated with senior developers to optimize database queries and improve reporting efficiency.
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Education

Bachelor of Engineering in Computer Science

Sasurie College of Engineering[Anna University] - TN

2017-2021

Certifications

PGP Data Science and Engineering

Great Lakes Institute - 2024

Projects

Real-time Clickstream Data Pipeline

- Built a **real-time data pipeline** using **PySpark** and **PostgreSQL** to process and analyze clickstream data.
- Applied **NLP techniques** for sentiment analysis and **ML models** for customer behavior prediction.
- Deployed the solution using **AWS S3, EMR, and Redshift**, achieving **90% data processing efficiency**.
- Integrated with **Segment** for data ingestion and monitoring.

Tech Stack: PySpark, PostgreSQL, AWS, NLP, Segment, dbt

Data Warehousing Optimization:

Redesigned data warehouse schemas to improve query performance by 30%, enhancing overall data retrieval efficiency.

Additional Information

- **Adaptability & Resilience:** Known for a willingness to accept failure, learn, and iterate, which has been critical in tackling complex data challenges.
- **Innovative Thinking:** Open to exploring creative and unconventional solutions that drive efficiency and breakthrough results.