

KINDHIBAI PRAVALIKA

Data Engineer

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Summary

Over 2.3 years of professional experience with Excellent problem solving and analytical skills. Proficient in ETL workflows, Python, Java, Apache Spark, and AWS. Experienced in data integration, leveraging strong action verbs to ensure smooth data accessibility, and delivering impactful solutions.

Technical Skills

- **Languages:** Python, PySpark, JavaScript, C, C++, R, Scala
- **Cloud Technologies:** AWS, Azure
- **Web Technologies:** HTML, CSS, Django
- **Databases:** Microsoft SQL Server, Snowflake, PostgreSQL
- **Data Visualization:** Power BI, Tableau
- **Libraries:** NumPy, Pandas, TensorFlow
- **Version Control:** Git, GitHub

Professional Experience

Sutherland Global Services, Hyderabad
Senior Associate - Collections (L2)

February 2020 – April 2022

- Analyzed 500+ hospital claims, resulting in a 30% improvement in data accuracy.
- Knowledge of Python Libraries, statistics and experience using statistical packages for analysing datasets.
- Verified patient demographics, provider's NPI, referral provider, and past medical history.
- Executed actions using EPIC Software for document posting and further processing.
- Managed the successful collection of outstanding payments from 1000+ policyholders and healthcare providers, achieving a 90% collection rate.
- Addressed denial reasons by submitting essential documents for claims processing.
- Utilized data analytics and visualization tools (MS Excel, Power BI, Tableau) for reporting solutions.
- Managed a database software to store and organize critical patient information.
- Mentored and guided 5+ lower-level associates, contributing to a 30% improvement in their performance.
- Achieved recognition as the top performer of the month.

Projects

Real-Time Data Processing and Analytics with Apache Kafka

- Attained 99.9% data accuracy by executing a real-time data processing pipeline with Apache Kafka, managing 50,000 events per second.
- Reduced data processing time by 60% through strategic optimizations, ensuring prompt and efficient data analysis.
- Engineered and deployed a scalable Apache Kafka cluster, processing 1TB of data daily and supporting 200+ concurrent users.
- Implemented robust machine learning algorithms with Apache Spark to detect anomalies in real-time data streams, achieving 95% precision.
- Developed interactive and insightful dashboards using Power BI, delivering real-time data insights to stakeholders and empowering data-driven decision-making.

Education

Master of Healthcare Informatics
Sacred Heart University, Connecticut, USA

March 2022 - June 2023

Bachelor of Science in Microbiology, Genetics, and Chemistry
Aurora's Degree and PG College, Hyderabad

June 2016 - July 2019

Certifications

- Earned Devops on AWS Specialization
- Completed Python Project for Data Engineering
- Attained Python for Data Science, AI & Development Certification
- Completed Introduction of Big Data with Spark and Hadoop Course