

Lokender Yadav Kanneboina

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EDUCATION

Master's in Computer Information Systems

Saint Louis University GPA 3.5/4.0

Saint Louis, Missouri

Aug. 2023 – May 2025

Bachelor's in Computer Science

Kavikulguru Institute Of Technology and Science GPA 9.5/10

Maharashtra, India

June. 2018 – June 2022

EXPERIENCE

Data Engineer

Infosys

Sept. 2022 – Jun. 2023

Hyderabad, India

- Designed scalable **ETL** pipelines using **AWS Glue** and **Python**, enabling seamless data integration.
- Optimized **Redshift** and **PostgreSQL** performance by implementing partitioning and indexing strategies, improving query performance by 40%.
- Leveraged **AWS Lambda** for real-time data transformations, integrating with **S3**, **DynamoDB**, and **Redshift**. Built interactive dashboards in **Tableau** for KPI visualization, aiding in data-driven decision-making.
- Developed complex **SQL** queries and automated tasks with **Python**, reducing manual effort by 50%.
- Streamlined monitoring with **CloudWatch** alerts, reducing downtime by 30%. Implemented **IAM policies** to ensure secure data handling across **AWS** services.
- Designed a real-time notification system using **AWS SNS**, improving incident response time by 40%. Orchestrated serverless workflows with **AWS Step Functions**, reducing manual effort by 30%.

PROJECTS

HEALTH AND WELL-BEING: NAVIGATING

Strategies and Solutions for When Disaster Strikes

- Collaborated on a global project to develop disaster response strategies, focusing on health and community well-being during catastrophic events.
- Designed frameworks to integrate healthcare systems, mental health support, and resilient infrastructures for disaster preparedness and recovery.

Graduate Student Video Creation

U.S. Traffic Signals

- Produced an educational video on the evolution, regulation, and advancements of traffic signal systems in the U.S.
- Researched the impact of modern traffic signal technologies on flow, safety, and infrastructure, leading content creation and video production.

Live COVID-19 Status

Real-time COVID-19 Tracking System

- Developed a real-time COVID-19 tracking system using React.js, Node.js, and MongoDB with dynamic visualizations using D3.js.
- Designed a user-friendly interface with search, filters, and notifications, integrating public APIs for live updates, and deployed on AWS for scalability.

Sentiment Analysis of Social Media Platform

Sentiment Analysis Initiative

- Led sentiment analysis on a major social media platform using NLP techniques and machine learning models.
- Conducted in-depth data analysis, extracting insights to enhance content recommendations and personalized user experience.

TECHNICAL SKILLS

Programming Languages : Python, SQL, Bash, Shell scripting

Cloud Platforms and Services::AWS (S3, EC2, RDS, DynamoDB, Redshift, Glue, Athena, Kinesis, CloudWatch, Lambda, AWS ECS, EKS)

Data Visualization & Tools:Git, JIRA, Numpy, Pandas, Jenkins, Docker, Terraform, Tableau, Power BI

Database Management:MySQL, PostgreSQL, MongoDB, DynamoDB, Redshift, SQL Server

Machine Learning : Scikit-learn, TensorFlow, Keras, PyTorch, XGBoost, Random Forest, SVM, KNN