

ANAGHAA LONDHE

Austin, TX | 720-845-9115 | anaghaalondhe7@gmail.com | [LinkedIn](#) | [Github](#)

EXPERIENCE

Data Engineer-Dish Network

Jun 2022 - Current

- Designed and deployed ETL pipelines in Databricks using PySpark and SQL, transforming 2TB+ of daily Redshift data into governed, query-optimized datasets.
- Engineered Databricks Workflows and Delta Live Tables for automated, scalable transformations—enabling weekly ingestion and publishing of ML model outputs for cross-functional analytics teams.
- Optimized complex SQL logic with CTEs, window functions, and advanced joins, improving query runtime and supporting flexible analytical exploration.
- Built and maintained materialized views and managed tables in Unity Catalog, streamlining data access for BI analysts and retention teams, accelerating dashboard delivery for executive reporting.
- Enabled data democratization by abstracting raw model outputs into layered, consumable datasets—reducing time-to-insight for business stakeholders.
- Orchestrated contract tracking architecture with NLP models and AWS services (Lambda, S3, DynamoDB), deployed via Terraform to ensure scalability and compliance.
- Deployed cloud-native data pipeline infrastructure with Terraform for AWS services like EKS, Kinesis Firehose, OpenSearch, CloudWatch, Glue, and Athena.
- Built and scaled a Retrieval Augmented Generation (RAG) architecture using OpenSearch, Lambda, Step Functions, and SQS—cutting internal search time by 50% and boosting generative AI use cases.

Data Visualization Intern-Black Diamond Therapeutics

Jul 2021 - Dec 2021

- Planned and implemented a pipeline structure for direct data ingestion from AWS, utilizing Glue, S3, and Athena into visualization tools for analysis
- Developed an intuitive and interactive Power BI dashboard, seamlessly integrating advanced visualization techniques to enhance data representation, ensuring clarity and actionable insights for effective data exploration and analysis
- Developed codebase and documentation for accomplished objectives and prepared a tutorial for the stakeholders and users of the pipeline, driving a 30% improvement in data-driven decision-making capabilities
- Built dashboards using Matplotlib and Seaborn for cancer related data, 70% reduction in the preparation time

PROJECTS

Recipe Generator - LLM Chatbot

- Designed and implemented a Language Model (LLM) based chatbot utilizing the Falcon-7B model.
- Engineered a sophisticated prompt template to instruct the model, focusing on answering recipe-related questions while maintaining the ability to engage in natural conversational dialogue.
- Integrated a seamless user interface (UI) using Streamlit to facilitate user interaction with the chatbot.
- Orchestrated the complete integration with Langchain, providing a streamlined and efficient communication pathway between the UI and the language model.

Data Warehousing: Data Integration and Query Formulation

- Spearheaded the conversion of raw data into relational tables, populating a test database for efficient storage and retrieval
- Designed and implemented a streamlined snowflake schema, optimizing data architecture and enhancing system performance in Pentaho
- Crafted complex SQL statements to provide business users with sample reports for analysis on OracleSQL

TECHNICAL SKILLS

Programming Languages: SQL, Python

Database: MySQL, PostgreSQL, Oracle, DynamoDB, AWS Aurora, Vector Database (Opensearch)

Technologies: AWS, Large Language Models, Embedding Models, NLP, Prompt Engineering, CI/CD

AWS Services: Lambda, API Gateway, EC2, CloudFormation, S3, RDS, CodeDeploy, SQS, SNS, CloudWatch, Sagemaker, Step Functions, AWS EMR

Tools/Miscellaneous: Langchain, Docker, Apache Superset, PySpark, TensorFlow, PyTorch, Keras, Scikit-learn, LLM, Prompt Engineering, Hadoop, Apache Airflow, Bash Scripting, Git, Terraform, Terragrunt, DBT, Pentaho, Tableau, Power BI, PySpark

Certifications: AWS Solution Architect Associate (SAA-C02), BigQuery for Data Analysts

OS, VCS: Linux, Ubuntu, Git

EDUCATION

Master's in Information Systems

University of Colorado, Denver, CO

Bachelor of Engineering –Computer Science and Technology

SNDT Women's University, India