

Ananya Reddy K
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PROFESSIONAL SUMMARY:

- Experienced **Data Engineer with 4+ years** of work experience in Designing, Developing and Maintaining Data Warehouses and Data Lakes, Data Integration, using various technologies like **AWS, Azure, Snowflake** etc.
- Have full **system life cycle hands-on experience**: analysis, designing, coding, testing, documenting, maintaining and user training. Firm knowledge of SDLC including **Agile and Waterfall Methodology**.
- Extensive experience in project management best practices, processes, and methodologies including **Waterfall, Agile, and SCRUM**.
- Experience with **Snowflake cloud data warehouse** and **AWS S3** bucket for integrating data from multiple source system.
- Expertise in building **ETL pipelines** and building **data lakes** for a healthcare clients using **AWS, Python, and PySpark**.
- Extensive knowledge on **Hadoop Eco system**.
- Experienced in writing SQL queries for various RDBMS such as **MySQL, Redshift, PostGRE** and **Oracle** to handle unstructured data.
- Performed **Data Mapping** between source systems to local systems, logical **data modeling**, created **class diagrams** and **ER diagrams**, and used SQL queries to filter data.
- Experience in **Data Modeling, Data Mining, Data Warehousing, and Data Analysis** in SQL Server and Oracle environments.
- Proficient in design and development of various **dashboards**, and **reports** utilizing **Tableau, Quicksight, and PowerBI** like bar graphs, scatter plots, piecharts, geographic visualization, and other making use of actions, other local and global filters according to the end user requirement.
- Experience in **designing** the performance review **dashboards** using **Tableau and Power BI** at the organization level for weekly, monthly, quarterly, and yearly reviews.
- Proficient in **Cloud** and **Analytical tools** and skills.
- Ability to learn and adapt quickly to emerging new technologies and paradigms.
- Good **analytical** and **problem-solving** skills and ability to work on own besides being a valuable and contributing team player.
- Excellent **interpersonal** and **communication skills**, efficient **time management** and **organization skills**, ability to **handle multiple tasks**, and work well in a team environment. Effectively engage and influence a wide range of stakeholders in **solving cross-functional problems** and **capitalizing on opportunities**.
- Ability to work **independently** and as a **collaborative** team player, with excellent time management and **prioritization** skills to manage a portfolio of diverse non-routine projects.

TECHNICAL SKILLS:

- **Programming/Scripting**: Python, C++, PySpark, HTML, JavaScript, CSS, PL/SQL
- **Analytical Tools**: Tableau, Informatica, Power BI, Google Analytics, Adobe Analytics
- **Relational Databases**: SQL, MySQL, SQL Server, PostGRE SQL, Redshift, Oracle 11g
- **Cloud**: AWS, Redshift, Azure Cloud (Databricks, Azure Data Factory, Azure Function Apps, Azure Storage), Snowflake
- **Other Tools**: MS Excel, MS Project, MS PowerPoint, MS Access
- **Operating Systems**: Windows, Linux, MacOS
- **Domain**: ETL, Business Data Warehouse, Data Analytics, Data Visualization, Marketing Web Analytics, Adobe Analytics, Agile Methodologies, Amazon Web Services (AWS), Statistics

CERTIFICATION:

AWS Certified Cloud Practitioner

Red Hat Certified System Administrator

WORK EXPERIENCE:

Delta Dental, Seattle, WA

January 2022 – Present

Data Engineering Analyst

- Understanding business requirements, creating Design Specification and Data Model documents.
- Created data engineering pipelines using PySpark in Databricks for ingestion, cleansing, and applying business transformations.
- Integrated Databricks with a snowflake to ingest spark data frame data into snow tables.
- Triggered snowflake queries from Databricks
- Created Integration object, stage, and External tables on top of s3 data
- Created SnowPipe to load data from files as soon files are available in stage, continuous data ingestion.
- Created internal and external stage and transformed data during load, used COPY command to bulk load from an S3 bucket
- Configured the AWS Glue jobs
- Developed specialized Tableau and Informatica Analyst dashboards for Delta Dental, focusing on healthcare-specific financial metrics such as revenue, costs, and profitability.
- Provided detailed insights into revenue generated from different dental procedures and services, facilitating informed decision-making for improved corporate profitability measures.
- Enhanced comparative financial analysis within the healthcare domain for Delta Dental through the creation of tailored dashboards.

Cognizant, Chennai, India

January 2020 – December 2021

Programmer Analyst

- Created a AWS data lake by developing custom ETL Python scripts to automate data ingestion, processing, and transformation tasks, reducing manual efforts and improving accuracy to 87%.
- Collaborated with cross-functional teams to design and implement scalable data solutions, leveraging big data technologies.
- Utilized AWS Lambda, EMR, SNS, SQS to build modular, robust, platform independent and scalable data pipelines, automating the transfer and transformation of over 2TB of data every day.
- Worked extensively with Hadoop, HDFS, and DynamoDB for indexing large databases, enhancing data retrieval and analysis capabilities.
- Optimized data processing performance by tuning internal database queries on Athena, leading to a notable 35% improvement in operational efficiency.
- Effectively managed AWS Cloud deployments through the strategic application of CloudFormation templates and AWS Command Line Interface (CLI).
- Implemented end-to-end testing to achieve 100% coverage for the target codebase.
- Responsible for the standardization of code in several parts of the project, promoting consistency and maintainability.

EDUCATION

Seattle University

Master of Science, Computer Science with Focus in Data Science

CGPA: 3.9

GITAM University

Bachelor of Technology, Computer Science

GPA: 4.00