

# CHAITHANYA S GUDIPATI

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## EDUCATION

**Northeastern University** - Boston, MA

Sep 2022 - May 2024

MS in Data Analytics Engineering

Relevant Coursework - Data Warehousing and BI Integration, Machine Learning, Data Management for Analytics, Data Mining, Computation and Visualization for Analytics

**MS Ramaiah Institute of Technology** - Bangalore, India

Aug 2015 – June 2019

Bachelor Engineering in Electronics and Communications Engineering

Relevant Coursework - Python, Probability and Statistics, Linear Algebra

## TECHNICAL SKILLS

**Programming Languages and Databases** - Python, R, SQL, MySQL, PostgreSQL, MongoDB

**Tools and Editors** - Excel, Git, Jira, Talend, PowerBI, Tableau, Snowflake, Docker, Kubernetes

**Packages and Frameworks** - Microservices, REST API, Numpy, Pandas, TensorFlow, Scikit-Learn

**Cloud Technologies** – AWS Event Bridge Rule, EMR, Glue, Athena, Redshift, Lambda, DynamoDB, S3, IAM, CloudWatch

**Others** – Hadoop, Hive, Pyspark, CI/CD, Testing and Debugging, Software Development Lifecycle, Data warehousing, ETL, Data Modelling, Data Visualization, Unit Testing, Agile Methodology, Statistical Analysis, Regression, Classification

## WORK EXPERIENCE

**Data Engineer, Tata Elxsi**, Bangalore, India

Sep 2019 – Aug 2022

- Developed ETL workflow using AWS EMR to extract data from 7+ different resources, process over 10Tb of data per day, and transformed the data into AWS S3 optimizing data engineering principles for scalability, efficiency, and reliability
- Developed and implemented data ingestion framework using AWS Glue to efficiently transfer and transform data from various sources into Amazon Redshift for data warehousing and analytics, incorporating data transformation methodologies
- Leveraged AWS Glue extensively for cataloging, facilitating seamless data management, ETL job orchestration and automated schema evolution, ensuring consistency, accessibility, and evolution in alignment with dynamic requirements
- Designed and developed data models and catalogs to improve user visibility and efficiency of data pipelines, resulting in a 20% reduction in time spent on data pipelines and a 10% reduction in errors
- Built 70+ dashboards in PowerBI for 4 departments in organization to business leaders for a \$300M+ business and helped increasing sales by 14%
- Created numerous SQL queries over large datasets to carry out ad-hoc analysis for 4 departments, employing query optimization techniques to identify, analyze and interpret trends in datasets and shared with business stakeholders
- Utilized data modeling and data warehousing techniques, driving efficient data storage, retrieval, and analytics for enhanced data driven decision-making

## CERTIFICATIONS

**AWS Certified** – Developer Associate ([Link](#)), Cloud Practitioner ( [Link](#))

## ACADEMIC PROJECTS

**AWS Snowflake Music Insights Pipeline**, Northeastern University

Nov 2023 – Dec 2023

- Designed and implemented a comprehensive music insights pipeline utilizing AWS services including S3, Lambda functions, IAM roles and CloudWatch triggers to automate the ETL process of Spotify's data generate actionable insights
- Leveraged Snowflake's serverless feature, snowpipe to seamlessly integrate the processed data into snowflake database, ensuring efficient storage and retrieval mechanisms for in-depth analysis and decision-making process related to trends

**Data Warehouse & ETL for Energy Consumption and Monitoring Analysis**, Northeastern University

Sep 2023 – Dec 2023

- Led the design and implementation of robust ETL and data analysis project to seamlessly extract, load and transform from diverse energy sources, culminating into a data warehouse. Employed Tableau for insightful data visualization and analysis

## AWARDS AND LEADERSHIP

- Won Bravo Award for showcasing values like “**Collaboration**”, “**Innovation**”, “**Persistence**” & “**Curiosity**” at Tata Elxsi, Bangalore.