

Teja Madire

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SUMMARY

Data engineer intern with hands-on experience in AWS, Python, and the Hadoop ecosystem. Enthusiastic about exploring emerging technologies and developing data-driven solutions.

EXPERIENCE

Data Engineer Intern

Mactores

May 2023 - Present, India

- Achieved AWS Certified Solutions Architect - Associate certification with a score of 825, demonstrating proficiency in AWS solutions architecture.
- Actively pursuing AWS Certified Data Analytics - Specialty Certification, to pass the exam within 40 days.
- Built a real-time data pipeline using AWS services, such as Kinesis and Lambda. This project helped me to gain a deeper understanding of AWS services and how they can be used to build real-time data pipelines.

PROJECTS

YouTube Data Analysis Pipeline: From Extraction to Visualization | Python, AWS, AirFlow, Amazon QuickSight |

July 2023 - August 2023

- Developed an end-to-end YouTube data pipeline using Python, AWS services, and Apache Airflow.
- Collected YouTube data for the 5 countries with the most YouTube users and visualized analyzed data with Amazon QuickSight, delivering valuable insights for decision-making.
- Improved data extraction latency by 60% and reduced overall costs by 20%.

OpenWeather ETL Pipeline using Airflow | Python, AWS, AirFlow |

July 2023 - July 2023

- Automated data extraction using the OpenWeather API.
- Orchestrated pipeline execution using Airflow for efficient scheduling and data transformation.
- Utilized Python scripts on EC2 instance to perform data transformations, including temperature unit conversion and attribute extraction.
- Successfully loaded transformed weather data into secure S3 storage for further analysis.

Leveraging Kinesis Data Stream for Real-Time Stock Data Analysis

June 2023 - July 2023

- Built a real-time stock data pipeline using Kinesis Data Stream, Lambda, S3, Glue, Athena, and SQL.
- Orchestrated seamless data flow from CSV to Kinesis to S3 using efficient Lambda functions.
- Implemented 10+ queries with a processing time of seconds, yielding an 80% efficiency gain.

EDUCATION

Master of Computer Application

Kakatiya University • Warangal, Telangana • 2022 • 7.72

Bachelor of Computer Application

Siddhartha Degree And PG College • Hyderabad, Telangana • 2020 • 8.31

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

Amazon Web Service(AWS) • 2023

This certification is relevant to my career goals as a data engineer, as it equips me with crucial cloud architecture skills.

COURSEWORK

Big Data

iNeuron • 2022

SKILLS

PROGRAMMING LANGUAGES: Python, Java

DATABASES: SQL (MySQL), NoSQL (Cassandra, MongoDB, and HBase)

BIG DATA FRAMEWORKS: Apache Hadoop, Apache Hive, Apache Spark, Apache Kafka, ETL (Extract, Transform, Load)

CLOUD PLATFORM AND TOOLS: Amazon Web Services (AWS), Airflow, Docker

VERSION CONTROL: Git and GitHub

CONCEPTS: Data Structures, OOPS, Linux

SOFT SKILLS: Communication, Problem-solving, Analytical Skills, attention to detail, collaboration skills

