

TEJA MADIRE

Hyderabad, Telangana

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Education

Kakaitya University

Master of Computer Application (CGPA of 7.72)

December 2020 - September 2022

Telangana, India

Siddhartha Degree And PG College

Bachelor of Computer Applications (CGPA of 8.31)

August 2017 - September 2020

Telangana, India

Experience

Mactores

May 2023 – present

Data Engineer Intern

Remote

- Successfully obtained AWS Certified Solutions Architect - Associate certification, demonstrating proficiency in AWS solutions architecture.
- Actively pursuing AWS Certified Data Analytics - Specialty Certification to further enhance data analytics expertise.
- Engaging in rigorous preparation for AWS certifications to stay up-to-date with the latest industry standards and best practices.

Projects

YouTube Data Analysis Pipeline: From Extraction to Visualization | *Python, AWS, AirFlow, Amazon QuickSight* | 4

- Developed an end-to-end YouTube data pipeline using Python, AWS services, and Apache Airflow.
- Goal: Collected YouTube data for the 5 countries with the most YouTube users - Brazil, India, Indonesia, Mexico, and the United States.
- Pipeline collected data on a daily basis to ensure up-to-date information.
- Utilized YouTube Data API to extract relevant data and loaded it into AWS S3.
- Leveraged AWS Athena for data analysis through SQL-like queries.
- Orchestrated the entire process using an Apache Airflow DAG.
- Visualized analyzed data with Amazon QuickSight, delivering valuable insights for decision-making.

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

4

- Automated data extraction from 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 | *AWS* |

4

- Leveraged Kinesis Data Stream, Lambda, S3, Glue, Athena, and SQL for real-time stock data analysis.
- Orchestrated seamless data flow from CSV to Kinesis to S3 using efficient Lambda functions.
- Processed data in S3 with AWS Glue, facilitating catalog creation.
- Conducted advanced analysis using Athena and SQL, enabling data-driven decision-making.
- Optimized data processing with Python and harnessed AWS services for efficiency.

Kafka Streaming Pipeline for Incremental Data Processing | *Python, MySQL, Kafka, Cassandra* |

4

- The project aims to build a data streaming pipeline for real-time processing of incremental data using Confluent Kafka and MySQL.
- The pipeline consists of a MySQL database that stores employee information, a Kafka producer that reads data from the database incrementally and publishes it to a Kafka topic, and a Kafka consumer that reads the data from the topic and validates it against a JSON schema and performs any necessary processing before loading it into a Cassandra database.
- The pipeline enables real-time processing of incremental data, allowing organizations to quickly react to changes in data and make timely business decisions.

Connecting Social Media To E-COMMERCE | *Java, J2EE, MySQL, HTML, CSS* |

4

- In recent years, the boundaries between e-commerce and social networking have become increasingly blurred.
- This Project Derives a novel solution for a cross-site cold-start product recommendation, which aims to recommend products from e-commerce websites to users at social networking sites in “cold-start” situations, a problem that has rarely been explored before.

Achievements

- * Obtained the distinguished AWS Certified Solutions Architect - Associate certification.
- * Completed the BigData course from Ineuron and obtained a certificate of completion.
- * Completed the highly regarded Accenture Developer Virtual Experience Program and earned certificates in architecture, programming, testing, security, and artificial intelligence.
- * Achieved a gold badge for SQL on HackerRank and obtained a Certificate of Excellence in SQL (Intermediate).
- * Demonstrated exceptional skills in the "prepSAT" Hackathon organized by Prepinsta, achieving an impressive rank of 4533 out of 90678 participants, and awarded a certificate of achievement.

Profile Links

- * HackerRank
- * GitHub
- * LEETCODE
- * CODECHEF

Interests

- * Exploring distant lands
- * Getting lost in a good book
- * Capturing moments
- * Feeling the music

Skills

PROGRAMMING LANGUAGES: Python, Java

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

BIG DATA FRAMEWORKS: Hadoop, Hive, Sqoop, Spark, Kafka, ETL

CLOUD PLATFORM: Amazon Web Services (AWS)

SCHEDULER: Airflow

CONTAINERIZATION: Docker

VERSION CONTROL: Git and GitHub

WEB DEVELOPMENT: J2EE, HTML and CSS

CONCEPTS: Data Structures, OOPS

SOFT SKILLS: Communication, Problem-solving, Critical thinking, Attention to detail, Teamwork, Adaptability