JAIDEEP REDDY ALURU

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CAREER OBJECTIVE

A motivated Data Science graduate with strong technical competence and attention to detail seeks an entry-level position in data engineering. Skilled in Python, SQL, and AWS, with a reputation for end-to-end ownership and problem-solving.

EDUCATION

UNIVERSITY OF NORTH TEXAS   **JAN 2022 – MAY 2023**
Master of Science in Data Science (GPA**:** 3.7)
Relevant Courses: Harvesting and Data Retrieval, Big Data Engineering, Data Analytics, Data mining, Data Modelling, Data-Visualization and Knowledge Discovery.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, INDIA   **AUGUST 2017 – JUNE 2021**
Bachelor of Technology in Electronics and Communication

TECHNICAL SKILLS

AWS, GCP, Jupiter, Linux, MATLAB, Microsoft Office Suite, RapidMiner, SQL, Tableau, Eclipse, PyCharm, Anaconda, IntelliJ.
Programming Languages: C, C++, C#, Python, Scala.
Databases: MySQL, HBase, No SQL.
Bigdata Ecosystem: HDFS, Hive, Spark, Sqoop, EMR, Kafka, Nifi.
Areas of Expertise: A/B testing, Data Extraction, Data Governance, Data Preprocessing, Data visualization, Data Wrangling, Exploratory data analysis.
Project Management: Agile project management, Leadership, Scrum ceremonies, and Team Management.

WORK EXPERIENCE

Data Engineer , COGNIZANT, INDIA
JUN 2020 – DEC 2021
For development and testing, I set up EC2 instances and EMR clusters.
- Executed step execution in EMR clusters, data load was done from Spark RDDs and data frame into Hive..
- Loaded and transformed large amounts of semi-structured data in formats such as XML, JSON, AVRO, and Parquet. Sqoop was used for imports. Managed Hive Tables and created partition-based child tables.
- Worked with streaming data from Kafka and processed it in Spark.
- Contributed to the delivery of the resulting data to Cassandra.
- Used Scala to process web API data and convert it to data frames for further processing and stored in JSON data for easy access. IT was stored in HDFS/S3 based on business need.

ACADEMIC PROJECTS

Project Name | Credit Card Fraud Detection System
- Hive-managed HBase tables were created, Imported, and exported data from AWS-RDS to Hive.
- Sqoop was used to import jobs, Performed Spark-HBase integration for table data.

History of Modern Olympics | Tableau:
- Created dual-axis advanced charts, workbooks, and dashboards for better insightful understandings and conducted presentations, established technical, and performance progress reports, and storytelling on the data-driven insights to the business partners, program managers, and a large group of stakeholders.

IoT Based Home Automation | PYTHON C | GCP | JavaScript:
- Used Python to Initialize GPU in the Raspberry pi board. GCP is used as connection between application and Hardware. HTML, CSS, Java Script is used for development of mobile application.

Smart Parking System | Embedded C:
- Embedded C is used to initialize ports in Node MCU. GCP is used to send the data from hardware to the cloud.