

Sandeep Gunda

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SKILLS

Programming languages:	Scala, Python, Java, R, Linux
Databases:	Hive, HDFS, Terradata, PostgreSQL, MySQL
CI-CD Tools:	Apache Oozie, Jenkins, Nexus, Cron
Testing and Debugging:	Integration tests, Unit tests, logging (SL4J), Cucumber Tests, Postman
APIs:	Sharepoint, Webex, Service Now, Microsoft Office 365
Data Visualization:	Tableau, Microsoft Power BI
Big Data Tools and Platforms:	Hadoop, NiFi, Apache Spark, PySpark, Dremio
Productivity Tools:	Microsoft Office, BitBucket, Confluence, Jira

PROFESSIONAL EXPERIENCE

NCR Corporation (Atlanta, GA)

May 2019 – Nov 2020

Data Engineer II

- Specialized in real-time data ingestion, processing and analytics catering to data preparation for predictive and descriptive analytics on the Enterprise Data Lake Hadoop environment.
- Worked with business partners to aggregate data, build models, and generate insights from the sales of NCR products.
- Delivered a Tableau dashboard for pricing analytics using Apache Spark on Scala to understand the price erosion of NCR products. This helped our salespersons to improve price and discount estimates by 10%.
- Assisted in expanding our Deal Scoring model to score for services. This involved ingesting the data using NiFi and making the data available through Hive queries and Oozie workflows and adding to logic to process the data in real time in Scala using Apache Spark. This is estimated to add 15 million in revenue for the upcoming year.
- Spearheaded the data engineering for a high impact Virtual Work Analytics project during COVID by ingesting data from services like Sharepoint, Cisco Webex and Microsoft Office 365 using Apache NiFi, parsing and denormalizing in python and writing to Hive database for Tableau consumption. These dashboards were highly regarded and commended by the Executive Leadership Team to provide details about scaling and utilization of resources during the onset of pandemic and work from home.
- Experienced in parsing json, xml and csv files to build tables.
- Supported the team in performance tuning ETL jobs, DEVOPS, creating guides and documentations and training new hires.

Turner Broadcasting Systems, Inc. (Atlanta, GA)

Jan 2019 – Mar 2019

Data Engineer Intern (Turner Data Cloud)

- Worked on platforms such as **AWS**, **Snowflake** and, **PostgreSQL** to make data available to users across Turner.
- Built an operations dashboard using **Flask** framework in **Python**, to monitor various jobs and perform actions.

CNN (Atlanta, GA)

Jun 2018 – Dec 2018

TV Research Analyst (CNN Research and Analytics)

- Collect and analyze multiplatform television data across various sources, such as CNN linear TV data, VOD, SVOD, and digital.
- Aid Research Analysts in the production of daily and regular reporting needs for the CNN brand as well as competitive networks
- Extract and analyze Nielsen audience delivery data using a variety of research software (Ex: Nielsen NPower, Arianna, Star Media)
- Assist team with ongoing projects, data visualizations, client presentations (in Microsoft Excel, Microsoft PowerPoint).
- Assist in the development of a machine learning model to forecast the viewership of HLN network to assist in its budgeting.

Georgia State University (Atlanta, GA)

Aug 2017 – Apr 2018

Graduate Research Assistant

- Built a **data pipeline** to routinely collect data from Twitter, LexisNexis and Facebook **APIs** and store them in a **Hadoop** file cluster via **Apache Kafka** then migrated codes to **AWS**.
- Deployed a CNN deep neural network to classify relevant tweets with 78% accuracy.
- Applied various Topic Modeling techniques, Sentiment Analysis and other descriptive statistics on the extracted data and visualized them using **Tableau**.

EDUCATION

Georgia State University

Master of Science in Data Analytics, 3.96/4.0 GPA

Atlanta, GA, USA

Aug 2017 - Dec 2018

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Electronics and Communication Engineering

New Delhi, India

Aug 2013 - Jun 2017