

# **Mohan Chaitanya Reddy, Vatrappu**

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## **Experience**

### **Data Engineer at T-Mobile, Overland Park, KS, 10/2017 - Current**

I am in the big data team that is responsible for Data Engineering and Data Analytics, which is a part of Cognitive Intelligence & Platform Services. I lead the effort to build data pipelines that allows users data to ingest into data lake and perform productive analytics on the data based on the stakeholder and business requirements. My responsibilities include the initial research, planning and managing the project, designing the features of data pipeline and involve in finalizing tools and technologies used to develop the product.

### **Data Science Intern at Sprint now part of T-Mobile, Overland Park, KS, 05/2017 - 10/2017**

Responsible for creating an internal real time streaming analytics tool using Kafka and Spark. It is used to gather user engagement metrics stream such as the number of clicks users made on Sprint website collected using adobe tool and the summary of their activities on the Sprint website.

## **Education**

### **Central Michigan University, Mount Pleasant, MI**

*MS Computer Science Major*, September 2016

GPA 3.3/4

## **Technical Skills**

Experience in Product Management, Analytics/Statistics, and Data Engineering.

Tools/Tech Stack:

- Data Science: **Python with NumPy, Pandas and Matplotlib, Spark**
- Data Engineering: **Python, Spark, Kafka, Scala**
- Programming Technologies: **SQL, Python**
- Cloud: **Azure Data Engineer Stack, AWS**
- Notebooks: **Databricks, Jupyter Notebooks**

## **Projects**

### **Adobe Web Live Stream Data (Kafka, Spark, Hive)**

Live adobe feeds are fed into data lake using Kafka and perform transformations using Spark.

### **Afiniti (Python, Hive)**

The records are pulled from Hive tables and stored into a file to transfer it over to external vendor, built using Python with Pandas and NumPy libraries.

### **LFO Transactions (Diyotta ELT Tool, SQL)**

The T-Mobile survey data is pulled and transformed as per business logic and loaded into text files to send it over to external vendor for gathering insights.

### **Data Governance Scan at Sprint (Spark, Hive)**

The scan process is part of Data governance product where it identifies the government and non-government records in the database and provides detail information on what type of records were present in the tables.