

# Akash Gandhi

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## Summary:

- Data Analytics enthusiast with 3.5 years of experience in Banking domain. Proficient in SQL/Oracle, Python and Scikit learn.
- Experienced working in a small/large teams in a fast-paced Agile Environment.
- Excellent communication skills with proven capability to interact with all levels of organization and clients.
- Active kaggler who worked on multiple projects such as Microsoft malware prediction, IEEE- CIS Fraud Detection etc.

## Education:

University of South Florida, Tampa FL

Dec 2018

**Master of Science - Business Analytics & Information Systems**

GPA 3.81/4

Nagpur University, India

JUL-2013

**Bachelor of Engineering –Electronics Engineering**

67.67%

## Relevant Coursework:

- Data Mining, Statistical Data Mining, Data Science programming in python, Advanced Database Management, Big Data for Business, Data Warehousing

## Technical Skills:

Programming / Tools: Python (Flask, Pandas, Scikit learn, NumPy, Pyspark etc.), R, SQL, Spark, Apache Calcite, Weka, ReactJS, vanilla JS Redux, Jupyter Notebooks, Anaconda, Docker

Machine Learning Models: Regression, Classification, Clustering, Data Exploration, PCA, RFS/RBE

Business Intelligence Tools: MicroStrategy, Tableau

Cloud Platforms: Amazon Web Services, Google Cloud Platform

DB/DW: Oracle, SQL Server, Google Big Query

Other: Hadoop, Unix/Linux, AWS, GCP, Git, Putty , RStudio, VS Code

## Work Experience:

### **DATA ENGINEER | CORE COMPETE | FEB 2019- AT PRESENT**

- Worked on creating a POC for SQL Text parser by analyzing the string using Apache Calcite
- Created a successful POC for a client for cloud orchestration on GCP using ReactJS as Frontend and Flask as Middle tier hosted on Google Kubernetes Engine. The product is under active development.
- Designing and Implementing Serverless Big Data ETL Data pipeline on AWS and integrated services such as AWS S3, AWS Lambda, Dynamo DB, Step Functions, AWS Glue, AWS Athena etc. Created a Data Lake in S3

### **SENIOR SYSTEM ENGINEER/ANALYST | INFOSYS | FEB 2014-JULY 2017**

- Worked on production databases to create new schemas, tables and performed DML statements on Oracle databases
- Created environments for 7 countries (a.k.a entities) and performed SAAS upgrades on a total of almost 450 Linux servers and thereby migrated banking application from legacy PIB (personal internet banking) services to GSP (Global Service platform)
- Extract data from tables and provide the data in acceptable csv formats to Cognos BI reporting team
- Engaged in **ETL** processing using pandas.

## Academic Projects:

**Independent research project: Skills- Python, json, SQL, pandas, Linux, Topic modelling**

- Topic based intervention on YouTube Closed Captions using Python with the YouTube Data API to create a text mining corpus that is being published at GitHub. Received a letter of recommendation for contributing to this research project. Development in progress at <https://akashgh123.github.io/akashgandhi/#/app>

#### **Microsoft Malware Prediction: Skills- Python, Data analytics**

- Participated in Microsoft Malware Prediction in Kaggle with over 100 submissions and achieved a 60 percentile in the final standings

#### **IBM HR Analytics: Skills- Tableau, Python**

- Performed Data analysis, visualizations using tableau on IBM employee attrition dataset and created a predictive modelling algorithm in python

#### **Oscar nomination prediction: Skills- Python, SAS enterprise miner, Weka, Web Scraping**

- Performed web scraping on IMDB, the-numbers.com and created a predictive algorithm for movies with predictors such as budget, collection, genre, rating etc.

#### **Certifications/Blogs:**

- Analytics & BI Certificate – USF/SAS.
- Statistics 101 from Cognitive AI
- Python 101 for Data science from Cognitive AI
- Coursera - Google Cloud Platform Big Data and Machine Learning Fundamentals
- [Medium blog](#) on deploying a docker containerized Create-react-app on google app engine