# Srujan K Shivamurthy

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## Objective

Big Data Engineer with 3 years of experience seeking roles in Data Engineering/ Data Science

## Education

**Master's degree in Management Information Systems (MIS)** – GPA: 3.75/4 August 2019 - December 2020
University of Arizona, Eller College of Management, Tucson

**Bachelor of Engineering in Information Science and Engineering** – CGPA: 8.81/10 August 2013 - May 2017
Sri Jayachamarajendra College of Engineering, India

## Skills

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|---|---|
| Languages | : **SQL, Python, C, R, Spark, Basic Java** |
| Database | : **Hive, Teradata, Oracle, AWS Redshift, Greenplum (PostgreSQL)** |
| Framework | : **Big data – Hadoop and Spark** |
| NoSQL | : **DynamoDB, Redis** |
| AWS | : **S3, EC2, Lambda, Glue, Athena, Lake formation, Redshift Spectrum, EMR, Kinesis** |
| Tools | : **Alteryx, Tableau, Apache Nifi, Databricks, Informatica, Spotfire, Git, Jira, Rally** |
| ML Packages | : **Numpy, Pandas, Scikit learn, Matplotlib, Streamlit, Keras, TensorFlow** |
| ML Algorithms | : **Regression, Classification, Neural Network, Time series Analysis** |

## Work Experience

**Graduate Assistant- BI Developer**, **University of Arizona** September 2019 – Current

Project: **Cloud Migration**
Technology and Tools: Lake Formation, Athena, Glue, Redshift, Redshift Spectrum, OBIEE
Storage: S3, Oracle
Language: SQL, Pyspark
Role: Architected and deployed highly available, high performance databases and built workflows for delta load
Impact: Helped University Analytics and Institutional Research save platform costs

Project: **Financial Modeling-Predicting Net Tuition Revenue during COVID**
Technology and Tools: OBIEE, Shiny R, ETL, Jira
Storage: Oracle
Language: SQL, R, XML, R packages: dplyr, tidyr, caret, gbm, rsample, purrr, doParallel, stringr, mice
Role: Developed complex and optimized SQL queries, preprocessed data using R and built ML models
Impact: Helped University Executives to allocate budget and make mission critical decisions during COVID

**Data Consultant, AngelMed Flight** January 2020 - May 2020

Project: **Operational Cost Optimization**
Technology and Tools: Tableau, Excel, VLOOKUP
Language: Python
Role: Evaluated hotel costs, gas charges, ambulance costs, flight characteristics, landing fee to find insights
Impact: The analysis helped the company re-negotiate vendor contract and save **$292,275** for 4 months.

**Data Engineering Specialist, General Electric Healthcare** July 2017 – July 2019

Project**: Customer Data Analytics**

Technology and Tools: SQL, Spark, NiFi, REST API, Scoop, Hive, Adobe Analytics
Storage: S3 and HDFS
Language: PySpark, Java

Description: Finding the number of unique visitors through advertisement, email campaigns and social media
Role: Architected and pioneered in building ingestion pipeline, processing layers and dashboard.
Impact: Helped GE Sales team target customers based on analytics

Project**: Asset Performance Monitoring and Predicting Equipment Failure**

Technology and Tools: Spark Streaming, Flask, REST API, Jenkins, bash scripting, python, JavaScript
Language: PySpark, Java

Description: Implementing real time failure prediction on GE Healthcare equipment's
Role: Designed and built data pipeline, processing layers and ML model using python
Impact: Helped GE Field Engineers predict equipment failures and take appropriate actions

Project**: Revenue Dashboard for CFO**

Technology and Tools: Spotfire, Tableau, SQL, Informatica, Store procedures, Jira
Language: SQL

Description: Using Data warehousing, Data marts concepts, loading data through ETL and building dashboard for GE Healthcare Chief Finance officer for continuous monitoring for financial metrics.
Role: Spearhead 5 Data Visualization developers to build robust dashboard following best practices
Impact: Helped CFO monitor annual expenses, profit globally showing in **Millions** of dollars

**Certifications | Verify Link:** https://srujanks1995.github.io/profile/index.html#certifications

AWS Certified Solution Architect Associate
Azure Databricks Learning
Alteryx Designer Core
Data Engineering, Big Data, and Machine Learning on Google Cloud Platform

**Academic Projects and Publications:** https://srujanks1995.github.io/profile/index.html#projects