**Srujan K Shivamurthy**

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**Objective**

Data Engineer with 3+ years of experience in building data intensive applications 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**

Languages : **SQL, Python, C, R, Spark, Basic Java**

Database : **Hive, Teradata, Oracle, AWS Redshift, Greenplum (PostgreSQL)**

Framework : **Big data – Hadoop, Scoop, Spark; RESTful API**

NoSQL : **DynamoDB, Redis**

AWS : **S3, EC2, Lambda, Glue, Athena, Lake formation, Redshift Spectrum, EMR, Kinesis**

Tools : **Alteryx, Tableau, Apache Nifi, Databricks, Informatica, Spotfire, Jenkins, Git, Jira, Rally**

ML Packages : **Numpy, Pandas, Scikit learn, Matplotlib, Streamlit, Keras, TensorFlow, Jupiter Notebook**

ML Algorithms : **Regression, Classification, Neural Network, Time series analysis, NLP**

**Work Experience**

Data Engineer- Graduate Assistant, **University of Arizona** September 2019 – December 2020

* Architected and deployed highly available, fault tolerant databases and migrated data from on-prem to AWS resulting infrastructure cost savings **(RDS, S3, SQL, Lake Formation, Glue, Athena, Redshift, Redshift Spectrum)**
* Pioneered in developing Financial Models for Predicting Net Tuition Revenue during COVID. This helped University Executives to allocate budget and make mission critical decisions during COVID **(R, data preprocessing, gbm model, XML, SQL, Data Warehousing, Data Marts, ETL, Data Pipeline, Oracle)**

Data Consultant**, AngelMed Flight (Eller Business Consulting Course)**  January 2020 - May 2020

* Designed and developed dashboards to reduce operational costs. The analysis helped the company re-negotiate vendor contract and save **$292,275** for Q3 and Q4 of 2020. **(Advanced Excel, Tableau, Vlookup, Python)**

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

* Spearhead 5 Data Visualization developers to build robust Revenue dashboards following best practices. This helped CFO monitor annual expenses and profit **(Spotfire, SQL, Greenplum, Talend, ETL)**
* Built Streaming services for real time processing of machine logs to predict equipment failure. This helped notifying field engineers to take actions in advance. (**Anomaly detection, time-series, Spark Streaming, Spark ML, Scala, Pyspark, Javascript, Bash Scripting, CI/CD, Kafka,** **Scoop, Hive, Apache Nifi, Druid**)

**Certifications | Verify Link:** <https://srujanks1995.github.io/profile/#certifications>

**AWS Certified Solution Architect Associate,** Data Engineering, Big Data, and Machine Learning on **Google Cloud Platform**, Azure Spark **Databricks** Essential Training, Learning **Kubernetes**, **Alteryx** Designer Core Certified, **Tableau** Data Analyst and Data Scientist Badge

**Projects and Publications:** GitHub repository link:<https://srujanks1995.github.io/profile/#projects>

Building Neural Network form TensorFlow, Real time data feed application using JP Morgan Chase Perspective framework, Streamlit-Python-Classification, Keras and TensorFlow for Detection of Anomaly, Classification of Amazon Book Reviews Based on Sentiment Analysis (**Springer**), Classification of Synchronized Brainwave Recordings using Machine Learning and Deep Learning Approaches (**IEEE**)