

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**)