

Srujan K Shivamurthy

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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

Programming	: Spark, SQL, Python, R
Database	: Oracle, Teradata
Visualization Tools	: Tableau, OBIEE, Power BI, Business Objects, Looker, Jupiter Notebooks, Shiny
Big Data	: Hadoop, HIVE, Scoop, HDFS, Cassandra, Redshift
Statistics/ML	: A/B Testing, Regression, Classification
Certification	: AWS SAA, Big Data, Data Engineering and Machine Learning using GCP
Tools	: JIRA, Confluence, Informatica, Terraform, Jenkins

Work Experience

Business Intelligence 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 in infrastructure cost savings
- 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
- Designed Star Schema and deployed **data marts** for Teacher Course subject area

Data Analytics Consultant, Eller Business Consulting Course, Angel Med Flight

January 2020- May 2020

- Liaison with product owners, cross functional teams to gather requirements and build dashboards capturing **KPI's**
- Analyzed client pain points and evaluated Airport Fee, Hotel cost and Fuel Cost to come up with **recommendation and insights**
- 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

Data Engineering Specialist, General Electric Healthcare

July 2017 – July 2019

- Spearheaded team of **5** Business Intelligence developers for building robust **ETL** workflows and **dashboards**
- Owned the design, development, and maintenance of ongoing performance metrics, reports, analyses, dashboards, etc. to drive key business **decisions**
- Developed **data pipelines** for analyzing streaming machine logs to predict failure of an equipment in near future
- Built Spark jobs utilizing Scala for handling duplication, **transformation** and loading data to Cassandra
- Developed metrics for capturing **Point of Sale**, Win Back, Contract Renewal and Warranty Conversion
- Built machine learning models for predicting probable customers renewing the contract after the contract expiration
- Analyzed Adobe click stream data and built **marketing** dashboards for finding unique visitors arrived through advertisements, email campaigns and social media
- Leveraged data from Teradata and HIVE to make recommendations to **sales team** for effective targeted campaigns

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

Data pipeline for Retail Digital Marketing

- Designed and developed end to end data pipeline for finding advertisement channel source for eCommerce data
- Utilized **Kafka, PySpark, Spark Structured Streaming, MySQL, Cassandra and Apache Superset** for building the data pipeline

Streaming real-time analysis of Meetup events using Spark

- Designed and developed end to end data pipeline for visualizing top events by city and count of RSVPs in real time
- Utilized **Meetup API, Scala, JSON, Kafka, Spark Structured Streaming, MySQL and MongoDB** for building the pipeline

Enterprise Data Warehouse for Campus Pantry

- Gathered requirements from the client and designing a robust **RDBMS** solution intended for better data management and reporting
- Architected, designed and developed physical, logical data model for University Campus Pantry
- Developed complex business logic **through PL/SQL, procedures, views, and triggers** for handling 500 student transactions daily