

EDUCATION

New Jersey Institute of Technology

- Master of Science in Computer Science **August 2017 - December 2018**

Symbiosis Institute of Technology

- Bachelor of Technology in Information Technology **July 2012 - June 2016**

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, PL/SQL, NoSQL, VB.NET, HTML, JavaScript

Databases: MySQL, Oracle, SQL Server, MongoDB

Analytics and Reporting: Apache Spark, Hadoop Map-Reduce, Sisense, Periscope, Pentaho, Tableau, Plotly, Excel, Numpy, Pandas, TensorFlow, ETL/ELT

Tools and software: Databricks, Git, TeamCity, Salesforce, Arduino Ide, AWS, XCode, Android-Studio, Jupyter notebooks

CERTIFICATIONS

Sisense: Data Modeling, Dashboard Design and Administration Cluster, Fine line Support Cluster, Customer On- Boarding Cluster

EXPERIENCE

Rossi Labs LLC. | Data Engineer

March 2019 – Present

- Developed Reports on Pentaho and published on Pentaho Server. Connected to and Retrieved data from AWS Aurora and modeled the relational data using SQL to develop reports.
- Worked on AWS Lambda. Written a lambda function read the files from AWS S3 bucket and load them into AWS RDS. Used triggers to detect if the file is uploaded to S3 bucket to trigger Lambda function.
- Used AWS Cloudwatch to monitor the log files and create an AWS SNS event to notify once the data is completely loaded.
- Worked on AWS Glue. Created a crawler for the CSV/Excel file in S3 bucket and created a job event which will push the data in the file to AWS Aurora RDS table. Tracked the cloudwatch logs to create an Event Rule to send a notification once the process is complete.
- Worked on Periscope to create dataframes using Pandas and Numpy for Regression Analysis of data.
- Worked on a project for Ecosense Lighting. Extracted the data from Netsuite into Sisense Elasticube. Made custom tables using SQL and mapped the tables accordingly.
- Worked on Sisense Elasticube for multiple projects. Connected to different datastores to pull the data into Elasticube manager. Modeled the data using star schema and connected them based on client's requirement.
- Developed Dashboards and Graphs on Sisense user interface using the Elasticubes developed.

Persistent Systems Limited |Software Intern

Jan 2015 – June 2015

- Developed the employee management application using Salesforce for CRM, using Agile methodologies.
- Created visualizations and representations using Salesforce Analytics Cloud and GitHub for version control.
- Collaborated on a project for OpenTable, used TeamCity for build-management and continuous integration.

PROJECTS

Sentiment Analysis on Cryptocurrency Tweets in Databricks

- Developed a project in Databricks using its Spark environment to determine if the tweets were positive or negative or neutral.
- Used Pandas and NumPy to sort the data and visualize the graphs using the statistical data.
- Used Text Blob for sentiment analysis and calculate the percentage of positive, negative and neutral tweets.
- Codebase: <https://github.com/sriram941/Sentiment-Analysis-of-Twitter-data.git>

AWS

- Created multi node cluster of EC2 instances and installed Hadoop and Java on them.
- Connected to the instances using Putty and WinSCP.
- Run a code on the cluster to count repeated words in 50 Wikipedia pages.
- Codebase: https://github.com/sriram941/WORD_COUNT.git

AWS EMR: Performance Analysis Using Amazon's Elastic Map-Reduce

- Used Amazon's Elastic map-reduce to calculate most popular words in positive or negative tweets.
- Calculated probability if certain words will be found in tweets
- Determined if positive or negative tweets are longer.
- Saw parallel processing effects on analysis performance.
- Codebase: https://github.com/sriram941/Sentiment_Analysis_EMR.git

Routing Protocol Using WSN

- Developed a routing protocol using FT-LEACH (Low Energy Adaptive Clustering Hierarchy) Protocol.
- Minimized energy consumption by 20% among sensor nodes deployed in inaccessible terrains.
- Programmed Arduinos to set up geographical clusters and transmit information to base station frequently.

Online Membership System Using Swing and JDBC

- Developed an online membership system using Swing as front end.
- System allows two levels of access (member/admin). Member can view, and search other's information and modify his/ her information. Admin can add or delete members or modify member's information.
- Codebase: https://github.com/sriram941/Java_Project.git

Interactive IOS Applications Using XCode

- Developed iOS applications on XCode IDE using Swift code.
- Implemented the design using XCode tools.