SACHIN SALIGRAM

MS in Computer Science | NC State University
Graduate Research Assistant graduating in May 2018. Let's connect and have a chat!

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Profile

A Masters student in Computer Science (Data Science) looking for a full-time opportunity to eat, drink and talk only data (kidding)!

- Data related work experience? **Yes!**
- Experience with SQL, Python and R? **Yes!**
- Experience in Business Analytics? **Yes!**
- Machine Learning projects? **Yes!**
- Data storyteller? **Yup!**
- Dreamer? **Totally!**

Technical Skills

Skill	Level		Skill	Level
Python	●●●●○		SQL	●●●●○
R	●●●○○		ML	●●●●○
Java	●●●○○		DB	●●●○○
AWS, Git, etc.	●●●○○			
Stats.	●●●○○			

Experience

Graduate Research Assistant
North Carolina State University
2018-Present

- Creating platforms, based on CRISP-DM and Agile Data Science stack, for building and deploying Data Science applications. Tools include Apache Spark, Kafka, Mongo DB, Elasticsearch and Deep Learning.

Project Engineer
Indian Institute of Science
2015-2016

- Built an electronic prototype of percussion instruments for real-time audio signal processing (normalization, time-series, and FFT analysis).
- Wrote an algorithm to process and match subsequent signals using pattern recognition and play sounds of the instrument from memory.

Decision Scientist
Mu Sigma Inc.
2014-2015

- Performed Exploratory Data Analysis and data analysis using SQL and Tableau to find patterns across terabytes of time-series data.
- Provided an understanding of the underlying structure of the data and presence of trends, seasonality, and impact of outliers/noise.
- Machine Learning provided sales/revenue forecasting.

Education

MS in Computer Science (Data Science)
2016-2018
NC State University, United States

Bachelors in Telecommunications
2010-2014
Bangalore Inst. of Technology, India

Projects

Scrum Bot with Amazon Alexa

- Amazon Alexa skill to perform tasks in JIRA and modify events using Google Calendar API via voice interactions.
- Infrastructure included Jira, Google Calendar API from G-suite, AWS Lambda function, and AWS EC2 with Java-based spring REST service.

Streaming Data Pipeline

- Apache Kafka, Spark, Mongo DB, Elasticsearch, Kibana
- AWS used for creating a VPC (Virtual Private Cloud).
- MongoDB configured for replication. Ansible provided infrastructure automation to easily handle configuration.

Semi-Supervised and Supervised Learning

- Performance trade-off between supervised (SVM, Logistic Regression, and ANN) and semi-supervised (S3VM, Co-Training, and Expectation-Maximization).
- Demonstrated advantage of labeled + unlabeled data.

Health Application using Oracle DB

- Wrote DDL statements to define the database structure and schema and DML statements for data manipulation.
- Enforced integrity constraints and concurrency control.
- DB design used triggers, cursors & functions using SQL.