# SUCHISMITHA VEDALA

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## SUMMARY

Data scientist with experience in statistics, machine learning and software development. Skilled in neural networks, t-test, ANOVA and regression models. Highly proficient in programming with Python, R, C++ and SQL. Adroit at ad-hoc analysis, time-series analysis and storytelling with data.

## SKILLS

R, Python, SAS, C#, Java, C++, C, Adobe Omniture, Google Analytics, PowerBi, Tableau, Fast Report, Excel, Typescript, JavaScript, HTML, CSS, PHP, Angular JS, MySQL, PostgreSQL, MongoDB, Hadoop, Spark, MapReduce, HDFS.

## EXPERIENCE

***Statistics and Data Science Engineer,* Canary Systems Inc., Tucson, AZ**             **Aug 2018 - Present**
- Performed time series and ad-hoc data analysis to help organizations take data driven decisions.
- Created statistical trendlines to provide Key Performance Indicators (KPI) as output.
- Discovered new patterns in data and implemented data modelling algorithms.
- Created automated anomaly detection system to track data discrepancies and analyzed its performance
- Integrated and processed various geotechnical data sources and monitored client systems and databases.
- Prepared daily status, operation reports, standard operating procedures (SOP) using Fast Report.
- Automated data import, manipulation and integration using Python, R and SQL.

***Data Analyst,* American International Group Inc., (AIG), Houston, TX**           **May 2017 - Aug 2017**
- Collaborated with clients to analyze project requirements and develop specifications.
- Implemented web data analytics using Adobe Omniture on a dynamic web framework to capture user activity.
- Successfully established Omniture API connection and set up XML data arguments in C#.
- Designed the card components of web frame using Angular and Typescript.
- Performed storytelling and data analysis in Power BI.
- Worked in an agile methodology and used Team Foundation Server (TFS) for Sprint Planning.

***Data Scientist,* C.T. Bauer College of Business, Houston, TX**           **Oct 2016 - May 2017**
- Developed models to perform data integration with different APIs.
- Performed sentiment analysis on text and emotional analysis on YouTube 8M video data set.
- Implemented speech recognition to extract audio text from videos.
- Created queries, stored procedures and Views in PostgreSQL and implemented using Python.
- Presented the key factors affecting video outreach across different platforms in Tableau.

***Software Developer,* F9 technologies, Visakhapatnam, India**              **Jun 2014 - Jul 2014**
- Developed an android application to search a user's nearby places.
- Implemented dynamic interactive user interface for the mobile application using XML and Java.
- Recognized for impressive web page design using HTML, CSS, JavaScript and PHP.
- Implemented agile software development process and performed A/B testing.
- Extensively involved in project design, analysis, implementation and testing.

## EDUCATION

**College of Natural Science and Mathematics, University of Houston, Houston, TX**     **May 2018**
Master of Science in Computer Science, Majors in Data Analytics                  GPA 3.25/4.0
**GITAM University, Visakhapatnam, India**                            **Apr 2016**
Bachelor of Technology in Computer Science                       GPA 8.74/10.0

## PROJECTS

***Opinion Spam Detection using Convolutional Neural Networks in Tensor Flow.***      **Oct 2016 - Dec 2017**
- Developed neural network model to classify unseen reviews using the Yelp Data set.
- Achieved an accuracy of 98.4% by implementing the model in Tensor flow on GPU.

## CERTIFICATIONS

- ***Nanodegree in Data Analyst,*** Udacity                            **Aug 2018**
- ***Google Analytics Individual Qualification (GAIQ),*** Google Analytics Academy.       **Jun 2018**