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| Data Scientist  Datta Tele | 409-300-8045| datta.tele@gmail.com | Houston, TX-77064  [dattatele.tk](http://dattatele.tk) | <https://github.com/dattatele> | <https://linkedin.com/in/datta-tele> |

# SUMMARY

* Full Stack Data Scientist with 2+ years of experience in data mining, predictive modeling, statistical analysis, natural language processing and web application development.
* Experienced in developing mathematical models, software framework, and applications for data analysis.
* Proficient in open-source Python and Machine Learning Libraries, and web programming.
* Understanding of cloud computing in Heroku, AWS, Google Cloud Platform and Docker environment.

# EXPERIENCE

Data Analyst/Research assistant - Lamar University,Beaumont, Texas - Feb 2016 - Aug 2017

* Technologies: Python, Pandas, Scikit-Learn, ML libraries, SQL, MS Excel, MS Access
* Built a database from unstructured datasets by labeling and conceptualizing description of safety records for maritime industries.
* Constructed classifiers for categorizing records, integrated them into data pipelines and measured the success of new algorithms with AB tests and analytics metrics.
* Optimized query in data retrieval process and speed up the performance of the training model.
* Improved an overall accuracy of the predictive model by 30.7%.
* Performed regression analysis to identify the classification errors in data collection process and proposed recommendations to ABS.

Industrial Engineer - FIE Industry, Ltd., India - Aug 2013 to Jul 2014

* Implemented statistical analysis for inventory movements to track margin and turnover.
* Performed inventory planning and quality control at manufacturing plant.
* Communicated effectively with senior management about productivity and lead inventory operations.

# PROJECT EXPERIENCE

Research: Text Classification and prediction of near miss records - Jan 2016 - Aug 2017

* Technologies: Python, NLTK, Pandas, Scikit-Learn, SQL, R - Cohen’s Kappa, MS Excel
* Developed a text classification program to predict the cause of near miss event.
* Created a text mining framework and performed semantic analysis visualized linguistic structure in the context of near miss records.
* Achieved an accuracy of 94.50 % and enhanced the reliability in the agreement between raters.

Market Area analysis web-app - [ URL - <http://bit.ly/2vbO8U3> ] - Jul 2017 - Present

* Technologies: Python, Flask, Folium, Scikit-Learn, React.js, HTML, CSS, JavaScript, SQL, MS Excel
* Developed a web application for major cities to perform ad-hoc analysis of the market area.
* Designed user interface and implemented visualization of dashboard into the Maps.
* Analyzed datasets of cities in terms of property value, residence type, bedroom preferences, commute time and other economic factors.
* Built on Flask, React.js framework, Python as a backend, and HTML, CSS, & JavaScript as the front end.
* Created house pricing model for Detroit city and working on visualizing property pricing location wise.

Geo\_consultant Web-app - Rodan+Fields - Apr 2017 - Jul 2017

* Technologies: Python, SQL, Flask, Google API, gmaps, HTML, CSS, JavaScript, MS Excel
* Launched Web Application for an executive consultant of Rodan+Fields to track their client’s locations.
* Designed and developed a database to store the client’s information by geocoding client’s data and converted into coordinates.
* Implemented Python geo-plotting libraries and Google API to visualize the location into the Google Maps.

# SKILLS

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| --- | --- |
| * **Programming:** | Proficient: Python (Pandas, Scipy, NLTK, PyFolio), SQL, HTML, Prior: CSS, JavaScript, R |
| * **Databases and Cloud:** | MySQL, PostgreSQL, MongoDB, Heroku, AWS, Google Cloud Platform |
| * **Data Visualization:** | Matplotlib, Seaborn, Plotly, Bokeh, Geoplotlib, Folium, gmaps |
| * **ML Framework:** | Scikit-Learn, TextBlob, TensorFlow, Keras, Theano |
| * **Development Tools:** | Django, Flask, Docker, Dash, jQuery, React.js, Agile\Scrum |
| * **Tools:** | Big Data Analytics: Spark, Hadoop, Hive, Pig, Tableau, Microsoft BI, MS Excel, MS Access |

# ADDITIONAL COURSEWORK - Udemy

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| * Python for Data Science and Machine Learning | * Python for Financial Analysis and Algorithmic Trading |
| * Practical Deep Learning in Theano + TensorFlow | * Docker Mastery: The Complete Toolset |
| * The Ultimate Hands on Hadoop | * MongoDB essentials |
| * Django Full Stack Web Developer | * AWS Certified Solutions Architect – Associate 2017 |

# EDUCATION

Master of science, industrial engineering - Lamar University, TX - 3.73/4.00 - Aug 2017

Bachelor of engineering, Mechanical engineering - Shivaji University, India - Aug 2013

# COMMUNITY SERVICE VOLUNTEER

* **Christian Life Crisis Intervention Inc -** Dec 2016 - Present - Intern

Created database to store information about incoming guests and donations.

Assisted Red-Cross team in Hurricane flood crisis and organized the workflow.

* **Habitat for Humanity of Jefferson County Inc -** Nov 2016 - Contributed restore house program in surrounding area of Beaumont.
* **Hope Women’s Resource Clinic -** Mar 2017 - Recruited, coordinated, and trained volunteer fundraisers.

# LINK

* Portfolio - <https://dattatele.github.io/>