

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

SKILLS

- **Programming:** Python (Pandas, Scikit-Learn, NLTK, TensorFlow), SQL, HTML, CSS, JavaScript, R
- **Databases and Cloud:** MySQL, PostgreSQL, MongoDB, Heroku, AWS, Google Cloud Platform
- **Development Tools:** Django, Flask, Docker, Dash, jQuery, React.js, Node.js, Agile, Scrum Methodology
- **Tools:** Big Data Analytics: Spark, Hadoop, Hive, Pig, Tableau, Power BI, MS Excel, MS Access

EXPERIENCE

DATA ANALYST/RESEARCH ASSISTANT - Lamar University, Beaumont, Texas - Feb 2016 - Aug 2017

- Developed classifiers for categorizing records, integrated them into data pipelines and measured the success of new algorithms with AB tests and analytics metrics.
- Built a database from unstructured datasets by conceptualizing safety records from maritime industries.
- Optimized SQL 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.

WEB DEVELOPER - Rodan+Fields (Contract) - Apr 2017 - Jul 2017

- Launched Web Application for an executive consultant of the company 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.

INDUSTRIAL ENGINEER - FIE Industry, Ltd., India - Aug 2013 to Jul 2014

- Implemented statistical analysis for inventory movements to track margin and turnover.
- Managed production schedules and handled material requirements.
- Supervised interdepartmental activities and lead inventory operations.

PROJECT EXPERIENCE

RESEARCH: TEXT CLASSIFICATION AND PREDICTION OF NEAR MISS RECORDS - Jan 2016 - Aug 2017

- 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

- Deployed a web application for major cities to perform ad-hoc analysis of the market area of major cities.
- 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 various financial factors.
- Built on Flask, React.js as framework, Python as a backend, and HTML, CSS, & JavaScript as the front end.

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