[**SHAMA ZABEEN SHAIK**](https://skshama18.wixsite.com/mysite)

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* A Data Science enthusiast with over **4+ years** of **academic** and **3+ years** of **industrial** experience in **Data Analytics**, **Machine Learning,** **Text Analytics, Predictive Analytics, NLP & Building Statistical models**.
* Strong **Mathematical,** **Analytical and Statistical** skills with the ability to extract, collect, organize, analyze and interpret trends and patterns in complex data sets.
* Extensive hands-on experience in using a broad range of data science programming languages and bigdata tools including **Python, R, Tableau, SQL, Knime and Splunk.**
* Proficient in creating and deploying Machine Learning models and executing complex workloads in **AWS.**
* Strong ability and desire to solve problems, multi-task, and deliver on commitments.
* Passionate team player with Strong written and verbal communication skills.
* Three-time Data Science Hackathon winner over 2019-2020.
* Springer published author for paper titled **“Co-Creative Robotic Arm for Differently-Abled Kids: Speech, Sketch Inputs and External Feedbacks for Multiple Drawings”.**

**EDUCATION**

**Master of Science in Computer Science |** University of North Carolina Charlotte at Charlotte, NC **(GPA: 3.9/4.0) Dec 2018**

**Bachelor of Technology in Computer Science and Engineering |** VIT University, India **(GPA: 4.0/4.0) May 2017**

**TECHNICAL SKILLS**

* **Programming Languages:** R, Python, SQL, HTML, CSS, JavaScript
* **Technologies**: Kinesis, Sage Maker, AWS-Lambda, S3, Tableau, Splunk, Splunk-MLTK, Power-BI, MS-SQL, Django, Knime, Orange
* **Machine Learning:** Classification, Regression, Clustering, Anomaly Detecting, Hypothesis Testing, Neural Networks, Text Analytics, Speech Recognition, Multivariate Analysis, NLP, Predictive Analytics, Time Series Analysis, NumPy, Pandas, Scikit learn, Tensor Flow, Core ML, Keras

**EXPERIENCE**

**Data Science Consultant |** Wells Fargo, Charlotte, NC **Mar 2019 – Present**

* Design, train, evaluate, validate and deploy Predictive Analytics and Machine Learning models for Data Lake Application to:
  + Predict incident reporting for a given Application.
  + Predict the File arrival time for each data zone and alert the user when the file is delayed.
  + Forecast incident counts and file arrival times and Analyze the possible delays/failures.
* Build live, dynamic, interactive dashboards using Tableau and Splunk at various user levels to:
  + End User level – Alert and notify of possible job failures, application & cluster health, environmental issues with proactive resolutions
  + Managerial Level – Display the Application health, Number of issues across each application, Root Causes, SLA-Met/Miss%
  + Directorial Level – Display multiple Platform level KPI’s, Platform health, Application and User Performance.
* Developed a full stack Python Web Application to gather all the key information for Data Lake Application team like key navigation links, KPI’s to display the Platform and application health, Key contacts for each support tower within the application.

**Data Science/ Machine Learning Student Intern|** Continental Tire, Fort Mill, SC **May 2018 – Dec 2018**

* Worked with Business Leaders to gather the KPI’s, fetched employee data from the server to clean, pre-process, and developed interactive live dashboards to display the Data Analysis and Predictive Modelling results.
* Deployed Machine Learning model to predict employee attrition & priority scheduling algorithm to prioritize work from home eligibility.

**Graduate Research Assistant |** University of North Carolina at Charlotte, NC **Dec 2017 – May 2018**

* Scrapped data from web using Python, designed database schema and created NO SQL database.
* Introduced dynamic interactive dashboards that replaced traditional static reports, increasing the productivity of sales and helping in better understanding of the data insights.
* Trend & competitive analysis on Continental’s Market Pricing data resulting an increase of 16% sales of winter tires.

**ACADEMIC PROJECT WORKS**

**Sentiment Analysis on Political Twitter**

* Preprocessed twitter political data using Topic modelling and LDA Tuning and LDA to find out the topics in the datasets.
* Applied Lexicon based sentiment analysis using ‘SentimentR’ package and ‘Syuzhet’ to classify the sentiment into positive, neutral, and negative on the topics discovered from LDA.

[**Co-Creative Robot**](https://skshama18.wixsite.com/website-1)

* Trained robot to sketch scenario on canvas based on voice inputs of user & enhanced results by updating sketch with user feedbacks.
* Used Spacy in R and Python NLTK for grouping words and creating clusters from the voice inputs.
* Deployed sentiment analysis for vector representations of text and response classification to develop the feedback module.