94, Central Ave, APT 1,   **BHARAT SRI HARSHA**   +1 (205) 200-8202

Jersey City, NJ, 07306   **KARPURAPU**   kbsriharsha@gmail.com

https://www.linkedin.com/in/kbsriharsha/   https://github.com/kbsriharsha/DataScience

Seasoned data scientist with nearly 4 plus years of domain experience through professional work and research, and with demonstrated abilities in delivering actionable insights using advanced data-driven methods

Proven credentials in developing and delivering complex business solutions with strong emphasis on machine learning, deep learning, big data analytics, natural language processing, statistics, and high-performance computing

Has expert level of knowledge in various data science technology platforms and highly skilled in orchestrating data from various sources (on premise, cloud, and different vendors) and developing data driven predictive applications

PROFESSIONAL EXPERIENCE

New York Life Insurance – New York City, NY   **(June 2018 – Current)**

Senior Associate, Data Science

- Functioning as one of the data experts and tech liaisons of the team assigned to curate, design, and develop the model ready data sets and introduce the latest cutting edge algorithms and platforms for increased computation speed and accuracy
- Successfully designed and implemented a process for cleaning the unstructured beneficiary records using Natural Language Processing techniques and saved **2 million$** vendor cost
- Creating model ready dataset (MRD) for agent compliance model; which is aimed to classify the non-compliant vs compliant agents as per the NYL rules

Regions Bank – Birmingham, AL   **(Jan 2016 –May 2018)**

Data Scientist (June 2017 – May 2018)

Data Scientist Intern (Jan 2016 – May 2017)

- Part of the new data science team (4 members) created under the CDO (Chief Data Officer) for developing predictive analytics and augmented intelligence applications to help the bank in process improvement and for finding new opportunities

- As a team, assigned to create and architect an enterprise big data environment with Hadoop echo system and IBM Power Minskey (Nvidia P100 GPU's) to facilitate data science team and quant squad in the bank

- Successfully developed applications like Intelligent Web Scrapper for getting information on potential customers from the web, Regions Business Universe which facilitates various departments of the bank to take quick customer decisions and contributed in delivering quick process for CIP (Customer Identification Program) which decrease the process time from **20 min to 3 min**

- Acted as lead role for determining the POCO (Probability of Charge-off) for an overdraft account, and replaced the old model with the new model with **4% increase in accuracy**.

EDUCATION

University of Alabama at Birmingham (Master's Degree)   **(Aug 2015 – April 2017)**

Electrical and Computer Engineering Dept. (Data Science Concentration) (G.P.A: 4.0)

Research Fields: Machine Learning, Deep Learning, Big Data Analytics, Natural Language Processing, and High Performance Computing

Thesis Title: Framework for Social Network Sentiment Analysis Using Big Data Analytics

- Developed a generalized framework for performing social network sentiment analysis on any kind of domain such as automobile, banking and telecom

- Studied numerous research papers on natural language processing, big data analytics and machine learning
     * Case Study: Automobile * Popular: BMW * Highest Sentiment: Mercedes (0.87) * Lowest Sentiment: Buick(0.49)

Publication: Big Data and Visual Analytics, Springer 2017, Chapter 12, Page: 203-218