Jayachandra K

CELL: (804)-401-3800   jayachandra.k20@gmail.com
GitHub: https://github.com/jayachandra2128   **LinkedIn**: https://www.linkedin.com/in/jayachandra-reddy-k-83492713a/

SUMMARY:

Data scientist with strong analytical and math background with 2.5+ years of working experience in field of Data Science with expertise in Natural Language Processing, Machine Learning, Deep Learning, AWS, Docker, Kubernetes, Hadoop, Spark.

SKILLS:

Statistics/Machine Learning	Python, R, SQL, Classification, Regression, Clustering, Boosting, Recommendation, Scikit learn, TensorFlow, Keras, PyTorch, NLTK, Open NLP, Core NLP, Spacy, RASA.
BI/Analytics tools	Excel, Tableau, R shiny, ETL.
Web languages	HTML5, CSS, JavaScript, Java, Flask, Angular, Spring boot.
Databases/Big Data	Hadoop, Spark, MapReduce, Hive, MySQL, MongoDB.
Cloud/Deployment	AWS, Google Cloud, Docker, Kubernetes.

PROFESSIONAL EXPERIENCE:

Data scientist, Contractor – GE Power, Atlanta-Georgia   Aug 2019 – present
● Extensive Image processing and NLP for Contract segment project which includes more than 5000 documents in image format.
● Developing Image2Text ML model to convert the images to text. Building Chatbot using Deep learning approach to accommodate each segment of these contracts and can be answered in a conversational way using Question Answering system.
Tech stack: Python, Chatbot, QA sys, Image2Text, Open CV, Tesseract, BERT, Solr, AWS.

Data scientist Intern - Nesh, Smart Assistant for Oil and Gas, Houston-Texas   July 2019 – Aug 2019
● Building end to end unsupervised QA system using Deep learning approach.
● Developing chatbot using RASA NLU and RASA Core. Responsible for developing Knowledge graph infrastructure that can efficiently retrieve answers about temporal comparison questions between companies.
● Performs Topic modelling to identify themes in Earning call transcripts, Articles of companies.
● Built a smart web API which scrapes all the relevant information about company over web. Efficiently displays a user the company's quantitative data, articles published about company, Summary of recent articles and Sentiment of articles.
Tech stack: Python, Flask, RASA, QA sys, Topic modelling, Web scraping, Named entity recognition, Text summarization.

Research Assistant – Natural Language processing – UNC Charlotte   Jan 2019 – May 2019
● Worked on Structured & Unstructured Topic modelling techniques to understand Topic prevalence in survey results.
● Found very interesting findings about personality differences based on political affiliation, gender etc.
● Developed web-based annotation tool using R shiny to annotate/code the political articles that helps in Data collection and reduce time consumption by at least 40%. **Tech stack: Python, R, LDA, STM, quanteda, text2vec, Shiny, Topic modelling, Visualization.**

Data Scientist – Group Eureka, Delhi, India   Jan 2017 - Dec 2017
● Developed Time series models and Customer segmentation models to forecast the sales, tailor cluster-based marketing strategies.
● These models helped company to develop pricing strategies that improved the sales by 15%. Marketing campaigns conducted based on the model resulted in large number of new customer registrations. Extensively used SQL for data retrieval operations.
Tech stack: Python, SQL, Modelling, ARIMA, SARIMA, VAR, Time series, Clustering, Classification, Visualizations, Statistics.

Statistical Data Analyst – Alcast, Prof. Vinay sharma, BIT Mesra, Ranchi, India.   Jan 2016 - Dec 2016
● Applied Six sigma, statistical analysis using R, Minitab to reduce rejections in the manufacturing process at Alcast company.
● T-value, P-value after T tests revealed significance of each factor on rejection. Our analysis helped the company to reduce rejections by 35%. Highly significant factor identified was tools replacement frequency.

EDUCATION:

Master of Science in Information Technology- Data Science concentration	Jan 2018 - May 2019
University of North Carolina, Charlotte	**GPA 4.0/4.0**

AWARDS:

● ATD Data science Hackathon 2019 First Prize
● Queen City Data science Hackathon 2019 First Prize