

JOB OBJECTIVE

To maximize my Data Analytics skills and contribute in the field of Healthcare Analytics to serve my organization in the best possible way with sheer determination & commitment.

PROFILE SUMMARY

- Data Researcher with 5+ years of experience in Healthcare research domain, experience in healthcare big data and well versed with the concept of Big Data, Machine Learning and Analytics Tools & Languages
- Worked on Customer segmentation, Attrition model, Patient risk analytics, Risk stratification, CMS star ratings, Hospital ratings, Mobile app / IoT data analysis, Statistical tests
- Working and exploring on Health informatics, Biomedical imaging techniques and analysis, Biomedical big data, Genomic data science, Bioinformatic Data science, Clinical Data science, Patient safety data science, Patient journey analysis, Personalized healthcare

CORE COMPETENCIES

- General: Statistics, Exploratory analytics, Descriptive analytics, Predictive analytics, Classification, Clustering, Linear regression, Ridge regression, Lasso regression, Logistic regression, PCA, Neural network, K-means, KNN, SVM, Time series analysis & prediction/ forecasting, Decision trees, Random forest, Ensemble, Naive Bayes, Statistical tests, Chi-square test, Fisher's test, McNemar test, t-tests, ANOVA, Wilcoxon test, Krusal Wallis test, Friedman Test, Survival analysis, Sankey diagram
- Programming Languages: R, Python, SQL
- Big Data Technologies: AWS, Spark, Hadoop, Hive, MapReduce, RDBMS
- Visualization tools: ggplot2, Tableau, Matplotlib, seaborn
- Other tools: Github, Pandas, Numpy, Microsoft Office Applications such as Word, Excel & PowerPoint

WORK EXPERIENCE

Data Analyst in Smile.com.au, Bangalore from March 2019

Responsibilities:

- Establishing data integrity, as well as extracting, cleaning and analyzing data from a diverse range of sources
- Completing regular monthly reporting and analysis
- Complete analysis exploring the viability of new business opportunities, automating regular reporting and processes, and building additional reporting tools as needed

Worked as Data Researcher in John Snow Labs, Bangalore from February 2016 to June 2018

Responsibilities:

- Used the quantitative data gathered from useful datasets from files, publications and other sources to develop an understanding of customer behavior, demographics and lifecycle. Extracted, interpreted and analyzed the data to identify key metrics and to transform the raw data into meaningful, actionable information
- Conducted Research, to collect, clean data and provide modelling and analyze the structured and unstructured data. Documented the source, owner, license and other key information about each data set,

conduct audit on all data to ensure the goals are achieved. Added tags, keywords, alternative titles and questions on SEO for each data set, that make it easy to find and understand

- Data preparation of datasets from Data.gov, CMS.gov, Health IT.gov, CancerData.org, Center for Disease control and prevention, Healthcare cost and Utilization projects, Healthcare Cost Report Information System, National Medical research council, HealthData.gov, AHRQ and HRR, HSA, Hospice, SNF, inpatient outpatient, Home Health agency, Health Resource Group, Medical equipments & supplies, Social security adm (SSA), Supplemental security income (SSI), Medicare advantage rates and statistics, Medicare plans, Shared savings, ACO, Dartmouth Atlas project datasets, Healthcare Effectiveness Data and Information Set Quality Measures data(HEDIS).

Worked as a Research Analyst in Larvol, Chennai from December 2010 to December 2012

Responsibilities:

- Tracked financial events and pipeline drug information from pharmaceutical company literature, websites, journals, business news and clinical trial site
- Monitored the clinical trials for a particular medical indications or method of action of any trial drugs, also tracked the scientific conferences, quarterly reports and investor conferences to gain up-to-date knowledge
- Collected the regulatory and clinical trial milestones of trial drugs from available information and excerpts, archived the news and preparation of slides for excerpts
- Experienced in making custom reports for different companies like Abbott, Amgen, Bayer, Boehringer Ingelheim, GSK, Pfizer, Sanofi, Regeneron, Cephalon, JNJ, Eli Lilly, Novo Nordisk, Merck for different indications like Immunology, Oncology, RCC, CRC, Pancreatic cancer, Breast cancer, Diabetes, Pain, Melanoma, tumor, NSCLC, Dyslipidemia, Infectious bowel disease, Psoriasis, Rheumatic arthritis, Hepatitis C virus infection, Hepatic cell carcinoma, Migraine, Schizophrenia, Alzheimer, Parkinson's disease, Multiple sclerosis, Chronic kidney disease, Hemophilia, Cardiovascular disease, Women's health etc.

Worked as a Clinical Data Analyst at CRAFT Hospital and Research center, Thrissur from March 2010 to July 2010

Responsibilities:

- Exploratory data analysis on hospital and research data
- Worked in MedCalc software to reach statistically significant outcomes
- Contributed in preparing an efficient clinical study reports and improve the clinical outcomes

ACCOLADES

- Recipient of the Associate of the Month Award from Larvol in 2012
- Received 5 star feedback for work excellence and team contributions from John Snow Labs in 2018

CERTIFICATIONS AND PROJECTS

- Professional Certificate in Data Science from HarvardX in 2019
- Github projects: https://github.com/jayashilin123/Reports/blob/master/Rmarkdown_reports_links.md
- [Upwork profile](#)

EDUCATIONAL DETAILS

- Completed P.G. Diploma in Data Analytics from IIIT-B and UpGrad in 2018 (3.5/4 CGPA)
- Completed P.G. Diploma in Clinical Research and Clinical Data Management from the University of Pune in 2008
- Completed P.G. Diploma in Pharmaceutical Biotechnology from the University of Madras in 2008
- Completed B.V.Sc. & A.H from Kerala Agricultural University