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| . | **CONTACT**  **MANOJ SRIRAMULA**  **Address :** Houston Texas 77054  **Phone :** 945-900-3438  **Email :** manojsriramula@outlook.com  **WWW :**https://www.linkedin.com/in/manojsriramula/  **WWW :**https://github.com/Manoj-Sriramula/mlproject  **SKILLS**   * Programming Language : Python, SQL, Athena,Qbole,Json * Skills : Machine Learning, NLP, Deep Learning, CNN, RNN,MLOPS Computer vision, LSTM, Image processing, Tensorflow, Keras,LLMs,Chat GPT, * Cloud : AWS, Sage maker, EC2, S3, Airflow, AWS Elastic Beanstalk, Azure, Code pipeline, other AWS services, google vertex, * Miscellaneous : Git, Jupyter notebook, PyCharm, Flask, Visual Studio code, DVC,CI,CD,CSV,Excel,,Postman,Agile, HP-ALM,Confluence Page. |  |  | **PROFESSIONAL SUMMARY**  Data Scientist with 9+ Years of experience in working with vast data sets to break down information, gather relevant data points and solve advanced business problems. Skilled in designing and implementing the solutions for analytical, engineering and visualization needs of the data. Advances proficiency in Machine learning, Data mining with structured & Unstructured data, Data validation, Predictive modeling.  **WORK HISTORY**  **Data Scientist,** 01/2020 to Current  **Guardant Health Inc** - Palo Alto, CA   * Implemented Data models, Algorithms to machine learning solutions using Python and AWS sagemaker, Jupyter notebook as member of data science team * Worked on specific test data like before test, after 1st test, during test of gene data for lung cancer type and analyzed using * Worked on Gene vs lung cancer KPI dashboards along with specific medicine to understand changes with regards to medicine and change in tissue/cancer. * Data manipulation is performed to create new variables, revalue existing variables and treat missing values to make our data ready for modeling stage using Pyspark * Performed data analysis on data applied stats like alpha test, T test, anova test, correlation between dependent and independent features. * About more than 1000 forms per day are sent out manually by extracting signature and by automating this process, saved $300K each quarter * worked on a Gen AI project for a Chatbot using Langchain, chat GPT LLM, and used Streamlit as UI. * Worked on Fine tuning using RAG, Google vertex, compared results of before fine tuning and after fine tuning used RAG pipeline in Google vertex service, and ran models on GPU. * Developed POCs on Gen AI - RAG using subset data for stakeholders and business partners and explaining them on development, evolution and deployment on Google cloud using vertex and Json response as input data. * Use the supervised data to develop LSTM review systems for patients and physicians. achieved this by applying NLP techniques like word to vector conversion, TF IDF vectorization,stop words. * Analyzed financial and accounting related information across entities within cross teams to track all intercompany transactions as per different products and prepared tableau dashboard to draw insights and automate validations * Performed data transformation method for rescaling by normalizing variable * Delivered Interactive visualizations/ Tableau dashboards and using ggplot, matplotlib, seaborn, to present analysis outcomes in terms of patterns, anomalies and predictions * To determine unique patterns developed Time series forecasting models using Arima and LSTM to observe trend on different stages for patient data using python language * Exploring power of different machine learning algorithms by performing Multiple Regression, Random Forest predicts more accurate results * Deployed models in using Flask and AWS Elastic Beanstalk, EC2, AWS Sagemaker * Applied regression and classifications models on different POC's validate them and discuss with clients and stakeholders. * Monitored deployed model using AWS cloud trail, logs, visualizations and performance of the model, model behavior to new data. * A/B Testing of new solutions, hypothesis testing using python and Pyspark for organizational impact * Developed modular coding in vs code IDE and created different pipelines at each stage of the CI & CD, Docker and container files * Participation in scrum meetings and communicated with Delivery Lead, Migration team and Business SPOC * Tracking data flow in both Production and Acceptance dashboard.     **Data Scientist,** 04/2018 to 12/2019  **Honeywell International Inc** - Atlanta, GA   * Formulated predictive models to forecast product category wise order volumes, season wise color and style choices so that departmental buyers can make educated and data driven decisions using python and/or Pyspark * Worked on image classification using CNN and computer vision, Implemented Hyper parameter tuning for scaling performance and achieved over 87% accuracy Image identifying * Applied various machine learning algorithms and statistical modeling techniques like decision trees, Naïve Bayes,Principal Component Analysis, regression models, Artificial Neural Network, clustering, SVM to identify Volume using scikit-learn packages in Python, Pyspark * Developed keyword extraction models using range of tools including TF-IDF, word2vec, NLTK and other NLP packages * Implemented parallelized data processing operations using DASK framework to clean and filter text data using python and/or Pyspark * Implemented multiple Time Series Forecasting models (ARIMA) to predict trends of fuel consumptions for different flight engines * Responsible for SQL Server Reporting Services Planning, Architecture, Training, Support, and Administration in Development, Test and Production Environments * Application of various Artificial Intelligence (AI)/Machine Learning algorithms and statistical modeling like decision trees, text analytics, Image and Text Recognition using OCR tools like, natural language processing (NLP), supervised and unsupervised, regression models * Proficient in SQL databases like MySQL, MS SQL, and PostgreSQL * Created data processing pipelines for training, testing, validation using Pyspark * Participation in scrum meetings and communicated with Delivery Lead, Migration team and Business SPOC * Tracking data flow in both Production and Acceptance dashboard.     **Testing Engineer,** 02/2017 to 04/2018  **Cambridge Technology Enterprise** - Hyderabad   * Interact with business users and technical team to review business requirement and technical specifications * Involving in manual test and Automation test execution and in various testing phases like sanity, Functional Retesting, system and smoke testing, Product testing * Documented test case & test scenarios based on business requirement and uploading into test management * Performed manual calculation for results and compared with IOT devices, and device testing * Developed performance testing scripts using Apica Zebra tester tool, Jmeter * Analyzed performance results of IOT and Non IOT devices and applied new strategies to increase performance of devices * Prepared bugs report required for application * Involved in product Backlog meeting for next phase * Coordinating with testing and development teams to ensure Quality Software * Intelligent Operations software enables and simplifies converged operations by dynamically providing high level of intelligence to existing management toolset * Help and mentor QA team for System's library code automation Software.     **Software Engineer,** 12/2015 to 02/2017  **UnitedHealth Group** - Hyderabad   * Involved in product backlog meetings to understand requirements * Monitored QC – ALM to work on defects and delivered them as per planning * Developed new CICS screens as per requirement and connected with VASAM files and/or DB2 for data connectivity * Performed unit testing to develop scripts to check quality of code and reviewed code for improvise if needed * Participated in daily standup meetings to keep up to date with project, backlog grooming meetings for next challenges * Analyze changes in new build and update it accordingly * Intelligent Operations software enables and simplifies converged operations by dynamically providing high level of intelligence to existing management toolset * Help and mentor QA team for System's library code automation Software.     **EDUCATION**  **Certified in Advanced Artificial Intelligence and Machine Learning**: Information Technology, 05/2019  **Indian Institute of Information Technology (IIIT)** - Hyderabad    **Bachelor of Science**: Electronics and Communications, 05/2014  **JNTU** - Hyderabad |
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