Name: **BHUMIREDDY VENKATESWARA REDDY**   Contact Details: +918309441941

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SUMMARY:

- Overall, 3 years' experience in Data Science in creating Artificial Intelligent Systems across multiple domains like Healthcare, Banking, Finance, Logistics, Law, Supply Chain and Marketing.
- Expert in developing Machine Learning Supervised and Unsupervised models with high performance.
- Expert in handling projects end-to-end from data collection, data cleaning, feature engineering, model training, model performance evaluation, model deployment and model monitoring.
- Expert in implementing AI Solutions using cloud technologies like AWS (Sagemaker, S3, EC2, ECR, EKS) and Azure.
- Expert in creating containerized AI applications using Docker and Kubernetes.
- Expert in creating Deep Learning models for Image, Video, and Text data using Computer Vision and NLP with Keras, Tensorflow and PyTorch frameworks.
- Experienced in creating Time Series forecasting models using ARIMA & ARIMAX.
- Excellent written and communication skills, team player, punctual and ability to multitask, handle and lead teams throughout the project.

EDUCATION:

- Graduated from Acharya Nagarjuna University with majors in Computer Science in the year 2009 with 74.3%.
- Completed higher secondary education from Government Jr. college, Ponnaluru in the year 2007 with 78.2%.

WORK EXPERIENCE:

Company: TRION INFOTECH   (Jun'19 – present)

Roles & Responsibilities:
- Using Machine learning and Deep learning techniques to develop and evaluate algorithms to improve performance, quality, data management and accuracy.
- Researching and Implementing appropriate ML Algorithms and DL Algorithms.
- Creating EC2 Instances and using s3 bucket to store & retrieve the data and building models and deploying on AWS through APIs.
- Using Docker to containerize the code and push it to AWS ECR.
- Developing a computer vision model using Mask RCNN for healthcare image data which is in live currently with an accuracy of 92%.
- Worked on Image Enhancement and Image processing techniques in this project and fine-tuned the algorithm which improved the performance of the model.
- Using Kubeflow for MLOps to create a reusable pipeline across the organization for all the stages of Machine Learning.

- Maintain and monitor the models during real time data streaming to analyze the drift in data, bias in the model predictions.
- Trained and evaluated neural networks, cross validation, hyper parameter tuning, visualized the model performance using Tensor board for COVID X-ray dataset.
- Worked on Text extraction from Scanned images using Pytesseract and developed a relation between key-value pairs to maintain the data in SQL Database.
- Built a NER Extraction and Classification ensemble model using NERC tools like Stanford NER, NLTK & Polyglot to extract entities from law documents.

Company: ITC Limited   (Jun'10 – Jun'17)

Roles & Responsibilities:
- Field Verification Assistant at ITC Limited.
- Worked on analyzing the data flow between retailers, distributors, and supply chain team.

HONORS AND RESPONSIBILITIES
- Recipient of Best Employee award for my contributions for the quarter Apr'21 – Jun'21.
- Successfully completed Andrew Ng's machine learning course from Coursera.
- Participated in many Kaggle & online Data Science Competitions.
- Presented a paper on "C Language Core Functionalities" in GMOOCS 2009 at ANU.
- Math club head of the college for 3 years.
- Head of the class for the year 2006.