CHANDRA

Deputy Manager Data scientist and AI youtuber

Learn AI ML and MLOps - YouTube

www.imlaic.com – AI tech blog

I am a Human Intelligence, who have been developing, and deploying Artificial Intelligence for 7.2 years

https://www.linkedin.com/in/CHANDRA

SuryaCharanTeja(HackerRank)

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SuryaCharanTeja(github.com)

https://hub.docker.com/u/kubecharan

7032237574, 9030549506

Jun'21 – Present | Volvo Trucks India | Bengaluru

Data scientist in Aftermarket, Service and Uptime business

1. Identifying challenges and problems from customers in aftermarket and service segment of the Volvo and translating them into the effective AI solutions and Work with data from customer vehicles to understand usage and support Product development engineers with product development.
2. Identify and integrate new data that can be leveraged through our product capabilities, and work closely with the engineering team in the development and improvement of the data.

|Predicting the Component failure life and suggesting the Product development| Azure analytics

Predicted the FMx 500 parabolic leaf spring life and after the analysis using ML algorithms, we found issues and closely worked with product development in modifying the design and came with a sound solution, which improved the life of

90% reduction in complement component failures. | 60% of maintenance expenses reduced. | 40% of down time is reduced.

Azure analytics cloud, multi-variate time series data, Clustering, Powe BI, Python, Github, SQL, anamoly detection

|Predictive Maintenance Scheduler (PMS) app| ML based application.

Predicting the failure of the components and suggests a best and optimum maintenance schedule for various components using historical data such as site conditions, road conditions, component life, frequency of failure, etc .

82.5% accuracy | maintenance expenses reduced. | Fair amount of down time is reduced.

Spark, Data bricks, Reinforcement learning, Python, Docker, Kubernetes, SQL, anamoly detection, data cleaning

|Damaged Component Id detection (DCD) app| Computer-vision based application.

Predicting Damaged component Id of the truck with trained on 10000 annotated images using Mask R-CNN architecture to speed up insurance claims and provides additional information to the technician to speed up the repair too.

86.5% accuracy | 40% of reduction in claim processing time | 25% reduction in claim costs

Computer Vision, Mask R-CNN, OpenCV, CUDA, Python, Azure ML services, Data cleaning, Github, Docker, Unix

|FLEET MANAGEMENT SOLUTION (FMS) for Mining customers| CV, IoT, edge-computing based.

The Objective is to calculate the number of trips made by the trucks and recommend the trucks to go to the excavators using multivariate time series data most efficient way, it leads to reduction in idling and increase in productivity.

TensorFlow, Multi variate time series data, Object Detection, OpenCV, Spark, edge computing, Docker, Unix.

Dec'20 - May'21 | MIP Politecnico di Milano | Italy | Grade 28/30

Student Exchange Program Global Management and Artificial Intelligence

Artificial Intelligence and the ethical way to build a business around it for a sustainable society Activities and societies: Artificial Intelligence and the ethical way to build a business around it for a sustainable societies.

Apr'20 - May'21 | School Inspired Leadership | Gurgaon | Grade 4.1/5

Post Graduate degree in Analytics and Artificial Intelligence

Awarded as a role model in helping a startup NGO to increase their reach using Machine Learning Model

Projects & Cases

- Predicting market value of the crop for the farmers in Azure. platform.
- Linear regression technique to predict the most influencing parameter for Fuel Efficiency of Vehicles
- Decision Tree, Random forest, and Logistic regression models for predicting potential bank customer,
- K-means clustering for countries which need Relief funds to fight against Covid.

Microsoft ML, Spark, Azure certificate from Microsoft Corporation India Pvt. Ltd.

Mar'16 - Jan'20 | CTM Software Solutions Pvt. Ltd. | Hyderabad |

Senior Machine Learning Engineer | 2 times employee of the year awardee

1. Build Machine Learning capabilities into our intelligence platform", "Work closely with Data Science and Product teams",
2. "Produce end-to-end ML pipelines for model training and inference", "Work on MLOps to produce postproduction model support and monitoring".

- Computer vision based road lane keeping project for as an consultant most renowned client
- Predicting the price of the oil and gas for our client using machine learning algorithms
- Computer vision based one module is developed for our client and their Autonomous vehicles

Dec'14 - Mar'16 | Space Age Infotech Pvt. Ltd. | Bangalore |

Associate Data Scientist

Performing exploratory Data analysis, data pre-processing, and making inferences through visualizing the data using Python: Bokeh, Pandas, Matplotlib, Numpy, Justpy, various other libraries.

2009 - 2014 | Andhra University | Vishakapatnam | Grade 7.5/10

Bachelor of Engineering in Mechanical | President of Mechanical department

Technical team leader for branch website(content management and quizzes), Lead member in conducting fest and workshops in institute

Pro-Skills | AI and Ops

Python	Azure Analytic cloud	SQL	KNIME	Clustering	Data Bricks	DAX	Pattern Recognition	Decision Trees
Neural Networks	Object detection modelling	K8s	Docker	Jenkins	Git & GitHub	Unix	Anomaly detection	Edge technolog -y