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Top Skills

Image Processing
Web Applications
Python

Languages

Hindi
Tamil
English

Certifications

Web data analytics Using R and
Python
Introduction to R
Applied Machine Learning:
Foundations

Sandeep Kumar Sharma

Senior Data Scientist at Tiger Analytics
Chennai

Summary

Experienced with various statistical tools, Deep Learning, Machine Learning, and Advanced Analytics. Proficient in building software applications involving Image Processing, Audio Processing and Web-based tools.

Key Skills:

- Languages & Frameworks: Python, Python-Flask, R, Javascript, Caffe2, Keras, Tensorflow
- Image Processing, Deep Learning

Experience

Tiger Analytics

3 years 3 months

Senior Data Scientist

July 2020 - Present (2 months)

Chennai, Tamil Nadu, India

Data Scientist

July 2019 - July 2020 (1 year 1 month)

Chennai, Tamil Nadu, India

- Built several decision models for a US retail clothing brand to assist business stakeholders in holistic planning of their real estate portfolio. Identified key driver of sales giving them ability to leverage the solution beyond just deciding on the new store location. Finally, operationalizing model in TWM environment to ensure ease of use.
- Developed solution for a US real estate investment trust to help business stakeholder get insights on market share(by defining parameters for submarket, supply and demand), demand and supply gap, company's property performance. Built decision model to estimate demand and provide insights on

demand drivers to enable stakeholders plan on developing new properties in areas where they do not have any presence.

- Built models for a railroad company to assist the client's engineering team plan their maintenance sprints ensuring seamless services of the network. Models used historical defects measurements data to predict when the defect will reach standard relaying thresholds to plan the preventive maintenance schedule.

Senior Data Analyst

July 2018 - June 2019 (1 year)

Chennai Area, India

- Built training and detection pipeline using TensorFlow, Caffe2 and YOLO framework for a railroad company to leverage Artificial Intelligence/machine learning for real-time asset management and maintenance using video feed from various sources.

Data Analyst

June 2017 - July 2018 (1 year 2 months)

Chennai Area, India

- Developed Image Processing module for custom fit earphone brand. Used advanced image processing, computer vision and machine learning techniques for identification, validation, and verification of features as desired by the customer to support and enhance their product design. Worked on 3D STL objects processing for feature recognition.
- Built Audio Analytics module for audio processing for a telemarketing concern. Developed BIC criterion based unsupervised speaker diarization model. Extracted emotion out of the conversation using text sentiment analysis and MFCC feature based emotion classification for enhanced accuracy.
- Developed a flask-based web app (simulation tool) to simulate market mix modeling solution by each product category, market, distribution channel for a luxury cruise brand. The application enables the user to create and analyse single/multiple scenarios using sliders and visualize results in D3.js plots.
- Built an analytical tool to compare and measure the performance of sales opportunities in the pipeline for a technology client.

Gopali Youth Welfare Society

Head, Internship Team

August 2016 - May 2017 (10 months)

IIT Kharagpur

- Leading Internship team to recruit students from various Institutes.
- Responsible for arranging workshop for selected candidates.
- Supervise candidates for executing the program and monitoring their progress.

Aerospace Engineering society

Secretary, Events

August 2015 - July 2016 (1 year)

IIT Kharagpur

- PG representative in the Society.
- Took responsibility of Deputy treasurer to raise funds for the Aero-society.
- As Secretary Events was responsible to conduct workshops, seminars, Industrial Visits for the student community of the department.

Education

Indian Institute of Technology, Kharagpur

Master's Degree, Aerospace, Aeronautical and Astronautical
Engineering · (2015 - 2017)

The Aeronautical Society of India

Bachelor's Degree, Aerospace, Aeronautical and Astronautical
Engineering · (2009 - 2014)

Kendriya Vidyalaya

· (1997 - 2009)