Manasa Nunna

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🐙 Nunna Lakshmi Manasa

Profile

Seeking an entry-level opportunity in the field of Computer Science where I can utilize my skills and enhance my learning in the field of work. Capable of mastering new technologies.

Languages

- Telugu
- Hindi
- English
- German
- Japanese
- Mandarin

Skills

C	● ● ● ● ○
Python	● ● ● ● ○
HTML	● ● ● ○ ○
CSS	● ● ● ○ ○
Java Script	● ● ○ ○ ○
Machine Learning	● ● ○ ○ ○
JAVA	● ○ ○ ○ ○

Courses

Psychology of stress health and well-being,
MOOC, Swayam
01/2022 – 04/2022 | IIT Guwahati, India

Data Science Using Python, *APSSDC*
05/2021 – 07/2021 | Guntur, India

Education

B-Tech, *SRM University, AP* ⎘
06/2019 – 05/2023 | Guntur, India
CSE w/s in AI and ML
Current CGPA 8.9 till 5th Semester

Intermediate, *Narayana College* ⎘
06/2017 – 04/2019 | Guntur, India
MPC
CGPA 9.71/10

6th-10th class, *Narayana e-techno School* ⎘
06/2012 – 04/2017 | Guntur, India
CGPA 10/10

Projects

APPLYING MACHINE LEARNING CLASSIFIERS TO PREDICT BIG MART SALES AND ANALYZING THEM
01/2022 – 04/2022

In this research, we present a predictive model for predicting the sales of a company like Big Mart using the XGBoost technique, K-NN, random forest and we find that the model outperforms existing models.To modify the business model to predict outcomes, the sales estimate is based on Big Mart sales for various outlets. Using various machine learning approaches, the resulting data can be utilized to anticipate possible sales volumes for shops like Big Mart.
The proposed system's estimation should take into account the price tag, outlet, and outlet location. Various machine-learning methods, such as linear regression and decision tree algorithms, are used in a variety of networks, as is the XGBoost technique, K-NN, random forest which provides an efficient prediction of Big Mart sales based on gradient. Finally, hyperparameter tweaking is utilized to assist you in selecting relevant hyperparameters that allow the algorithm to shine and give the best results.

Web Development using Django, *APSSDC*
06/2020 – 08/2020 | Guntur, India
Trained in web development using Django frame work to create a website.

Interests

Playing Badminton

Learning foreign and other languages
(Pandit in Hindi)

Research Based on Variational Autoencoder Based Synthetic Generation, *AUTO ENCODER based synthetic data generation method on Diabetic Retinopathy Images* ⬀
06/2021 – 07/2021
https://github.com/Manasa-2002/Research/blob/main/Research%20Day%20Paper%20(1)%20(1)-converted-compressed.pdf

Diabetic Retinopathy is one of the complications of diabetes and is mainly classified into 5 levels. The essential challenge in this complication is early detection which is very important for treatment success. Recently many computer-aided diagnosis systems have been adopted using deep learning techniques for medical image analysis, in which convolutional neural networks are used for diagnosing diabetic retinopathy through analyzing fundus images. However, CNN relies on a largely diverse training dataset to learn which is difficult to collect, particularly for high severity levels. In, the largest public DR dataset, EYEPacs images of DR, images of levels 0,4 account for 73.67% and 2.16% respectively. Adopting such imbalanced data to train makes the model less sensitive to samples with higher DR levels and thus leads to overfitting. So, we used the generative kind of VAE model, to capture the dimensional dependencies, and produce new samples. VAE samples some values of the latent variable and then new samples are generated from the conditional distribution of the data given the latent variable. Here we aim to try and approximate the minority class distribution.

Hospital Management System ⬀
06/2020 – 08/2020
https://github.com/Manasa-2002/hospital-

A website for hospital management systems using HTML, CSS, and JavaScript at the front-end and MySQL at the back-end and connect them using Python with the help of Django Framework. Here management can store records of patients, bills, and all the related staff details. The admin and users can get access to the details as per their and make use of them when required.

Skills

C	● ● ● ● ○
Python	● ● ● ● ○
HTML	● ● ● ○ ○
CSS	● ● ● ○ ○
Java Script	● ● ○ ○ ○
Machine Learning	● ● ○ ○ ○
JAVA	● ○ ○ ○ ○

Declaration

I hereby declare that all the information furnished above is true to the best of my belief.

Manasa

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Guntur