

YASWANTH BONDALAPATI

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CAREER OBJECTIVE

To succeed in an environment of growth and excellence and earn a job which provides job satisfaction and self development and help to achieve personal as well as organizational goals.

EDUCATIONAL QUALIFICATIONS

Vellore Institute of Technology ,Vellore - August 2017-June 2021 , Bachelors of technology in Computer Science and Engineering
Sri chaitanya College -June 2015- April 2017, Board of Intermediate education,MPC
Dr.K.K.R Gowtham International School - July 2013 - March 2015 ,State Board education

CGPA:-7.13
CGPA-9.35
CGPA-9.7

TECHNICAL SKILLS

Programming Languages : Java ,Python,Java script,C
• Application Software :Visual Studio ,MS Office.
• Databases :My SQL/Oracle.
• Work experience in both Windows and Linux platforms.

ACADEMIC PROJECTS

1. **Title** : Automatic Detection Of Diabetic Retinopathy Using Deep Learning.

Description : This project aids in detection of Diabetic retinopathy in diabetic patients with the help of Deep learning.Images of eyes are used to train and test this model. An automatic Diabetic retinopathy grading system capable of classifying images on the basis of disease pathologies from few severity levels is proposed in this project. A "Convolutional Neural Network" (CNN) is used in this introduced methodology, this network convolves an image which is given as the input into a defined weighted matrix to extract specific image features without losing spatial arrangement information (also known as "Feature extraction"). After using the CNN model the training accuracy for 10 epochs was 73%, for 15 epochs was 79% and for 50 epochs, the training accuracy was 83.6% on the processed image data. The best test set accuracy obtained was 86%

2. **Title** : Monitoring of Crop on Farmer Field

Description : I proposed system which aids the farmers by predicting the crop according to their soil characteristics and to monitor their field through a .In this system three modules were used ,one for monitoring the crop and second for predicting the crop and third ,creating a website for farmers to monitor their field .lot and sensors are used for collecting the data of the soil like ph ,moisture ,humidity and then data is sent to cloud where Machine learning is applied on the cloud data and the respective crop was predicted. I compared with 4 different algorithms and they were trained from the data of 32 crops which was collected from the farmers and state government .Random Forest Classifier algorithm has shown highest accuracy which is 95.05376 % .A website was also created for farmers with login credentials by using HTML,CSS,PHP,Bootstrap,MySql,Java Script for monitoring their crop and displaying the predicted crop. Research paper of this project got accepted in many UG indexed journals and waiting for acceptance from scopus indexed journals

3. **Title** : Disaster Management System

Description : A bot is designed using Raspberry Pi-3b+ for disaster detection and disaster management .The bot is be able to maneuver through obstacles and debris in a disaster which would otherwise be inaccessible to find people.There are 2 main parts in the designed bot ,Bot control and live streaming of video .The Live streaming part consists of an R-Pi Camera which is placed on the bot. The Pi Camera libraries are installed using the command prompt. These help initialize the video streaming. The camera is first enabled in the R-Pi. Then command prompt is used to enable the camera instreaming mode

WORK EXPERIENCE

Web Developer ,TEHCITI PVT LTD,Bangalore (05/2020 - 07/2020)
Worked on technologies HTML,CSS ,JAVA SCRIPT,PHP,Bootstrap

A software is designed using HTML,CSS,PHP and Java Script for managing gold loan which assists to maintain records of gold, payment tracking, loan foreclosure, Loan installments Plan .The software manages all types of interest rates (fixed, adjustable, etc.), time periods and conventions for calculating the number of days in a period. This lending solution automates the entire lending life cycle from customer acquisition to recovery .When the user request through HTTP Request, it will go through the browser and here I used PHP and HTML, it builds the communication between the user and database.In UI, charts will be displayed.PHP extracts the information from the database and charts need JSON files, so it extracts and sends it to UI and through the HTTP response, response to request made by user is sent back through the UI. I fetched the data source from the dealer as input file, once it is fetched, we will run pre-processor. After running the pre-processor, I get intermediate file and then it goes into ETL process.After that I get final file for use. Through that file I created JSON file and this final file which I receive is stored in the data base. Several Modules are created, Administrator Module,PickUp Module,Verification Module,Legal Module and Customer Module

TECHNICAL ACTIVITIES

- Acquired knowledge in arena of **Internet of Things** by participating in workshop organized by IT department of Vellore Institute of Technology.
- Participated in Hackathon event HackaMotiVE'20 which was a national event conducted by Vellore institute of technology

AWARDS and INTERESTS

- Received certificate of completion from Coursera for courses Big Data, Google Cloud platform fundamentals:Core Infrastructure, Introduction to Virtual Reality
- Participated in Social responsibility activities such as organizing blood donation camps and Swach Bharat (The Indian government campaign to cleanup streets, roads and infrastructure)
- Played Tamilnadu state cricket league on behalf of VIT mens cricket team
- Participated in VIT marathon of 10km to create awareness on various social issues