DUBBUDU SHIVA KRISHNA

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BRIEF OVERVIEW

Qualified Bachelor of Technology(ECE) from malla reddy engineering college(JNTUH) with experience of 2 years in software development.

- Hands on experience in Python, MySQL, Embedded systems .
- Translating new ideas into client's solutions including opportunity identification,
- Code Coverage in python and excellent debugging skills.
- Strong analytical, logical skills, Methodical approach and attention to detail and learning new concepts.
- Creative, Innovative, Fast learner, Drive for results and good interpersonal.

ACADEMIA

MALLA REDDY ENGINEERING COLLEGE(JNTU), Hyderabad
Bachelor of Technology [2014-2018]**|**1st Class
Electronic and Communication Engineering **|**68.35%

NARAYANA JUNIOR COLLEGE, Hyderabad
Intermediate [2012-2014] **|**1st Class
Aggregate :84%

PRAGATHI VIDYA NIKETHAN, Musthayla
SSC[2011-2012] **|**1st Class
Aggregate :93%

PROFESSIONAL EXPERIENCE

Currently working as python Engineer in Hirotoind Technologies Pvt. Ltd., Hyderabad with expertise in Python and embedded systems from July 2020 to till the date
Worked as Python developer in Smart innovations Pvt Ltd from Dec 2018 to June 2020.

TECHNICAL SKILLS

Operating System: Linux, Windows
Programming Languages: Python, Python Web Services, MySQL.

- Embedded System
  - Controller – Pic, 8051, Arduino
  - Raspberry Pi with python programming
- Python Language
  - Packages and API
    - Web Page Scraping –
      - BeautifulSoup and Selenium Webdriver
    - Image Processing
    - Data Science with ML and DL – fundamentals
    - Flask and Django
- Linux Programming - fundamentals
- HTML, C – fundamentals

- Android

FUNCTIONAL SKILLS:

- Interacting with clients for requirement gathering, system analysis and finalization of technical/ functional specifications.
- Designing, developing and testing.
- Ensuring smooth implementation and testing at client location.
- Providing post-implementation, application maintenance and enhancement support to the client with regard to the product/ software application.
- Deploying and controlling data setup for newly developed applications.
- Iron Python with stat tool.

PROJECTS HANDLED

- **Project Title :** Plant hight detection using raspberry pi
- **Description :** Plant growth monitoring is one of the most important tasks in any agriculture-based environment. India is one of the nations where agriculture and allied sectors are major employment sources. Thus, an efficient monitoring system is required for continuous and longterm plant growth monitoring. This paper aims at plant growth monitoring based on the NDVI (Normalized Difference Vegetation Index) calculation which helps in recognizing the difference between the healthy and non healthy plants by calculating their NDVI values. The images of the plant are taken from the pi camera which is interfaced with the Raspberry pi. The raspberry pi is coded with the python to capture images and calculating NDVI and then through VNC viewer software the results are sent to the user which helps them to differentiate between healthy and non-healthy plants.
- **Index Terms** -pi Camera, NDVI, Raspberry Pi, Plant growth

- **Project Title** : Face and emotion detection
- **Description**: Image processing frameworks are focusing towards the use of computer vision techniques in human PC collaboration and feeling investigation through a space mapping between the constant feeling and an arrangement of discrete feeling classes. While accomplishing great execution, the most productive component space and characterization system for Face Expression Recognition (FER) stay obscure because of absence of correlation study. The Adaboost Algorithm is quickly clarified and executed in our program. This study enhances the acknowledgment exactness and the execution time of facial expression recognition framework.
- **Keywords**: - Facial Expression Recognition, Adaboost, Haar Cascades, mouth detection, logistic regression, python with openCV

- **Project Title** : Securing Files with Request Approvals using python DJango.(Idyntity Sync)
- **Description**: In this project we are upload files and securing data files and we can download the files with the user request. In this web page we are providing admin and users. When user send a request the user will get the OTP to user mail when he enter the OTP it will allows to download the files.
- **Keywords**: python django, okta, mail authentications and Mysql.

- **Project Title** : Face Recognition Door Lock System using Raspberry Pi
- **Description**: Face Recognition technology has improved drastically in the past decade and now it is primarily used for surveillance and security purpose. we will collect the face samples that are authorized to open the lock. In the second phase, we will train the Recognizer for these face samples, and in the last phase, trainer data will be used to recognize the faces. If raspberry pi recognizes a face, it will open the door lock. Here, a solenoid lock and a Pi camera will be used with Raspberry Pi to build this **face recognition-based door lock system using Raspberry Pi 3**. We previously used solenoid lock with Raspberry pi, and also built few projects with Pi camera like Web Controlled Raspberry Pi Surveillance Robot, IoT based Smart Wi-Fi doorbell, Smart CCTV Surveillance System, etc.
- **Keywords**: Raspberry Pi 3 (any version), Solenoid Lock, Relay Module , Jumper Wires, opencv and pi camera

PERSONAL INTEREST

- Swimming
- Playing cricket and Kabaddi
- Reading Book

DECLARATION

I do here by declare that the above information about me is true to the best of my knowledge.

DATE:

PLACE: **SHIVA KRISHNA.D**