GOTTUMUKKALA NAGA SAI HARITHA

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OBJECTIVE

Passionate information technology graduate seeking to build a technology which makes things more easier and helpful in our daily life with significant growth . Eager to rapidly gain programming expertise through hands-on projects that make a positive impact in a reputed institution .

EDUCATION

Bachelor of Technology   2020 - 2024
R.V.R&J.C College of Engineering CGPA: 7.63   Chowdavaram,Guntur,Andhra Pradesh

Higher Secondary Education   2018 - 2020
Sri Chaitanya Girls Jr.college,Santha Bhavan II , 12th, CGPA:8.19   BIEAP, Nidamanuru, Andhra Pradesh

Secondary Education   2017-2018
Gowtham EM High School, 10th, CGPA: 9.8   BSEAP, Gudivada, Andhra Pradesh

INTERNSHIPS

Centre for Development of Telematics,TELECOM TECHNOLOGY CENTRE OF GOVT. OF INDIA(C-DOT)

Static IP Request Form   **March-May 2024**

➢ This project includes creation of DB (MySQL Workbench) for Vlan IDs ,Loading the existing data for that conversion of files from excel to .CSV and then loading the data ,Created static Ip Request Form using the Perl CGI Script which implements allocation of Static IP (192.168.00.00-192.168.254.254) for End User and also automatic updation of system details of End User into the database Created which includes
  ➔ Insert page
  ➔ Delete Page
  ➔ View Page
  ➔ Finding Unassigned IPS in that Preferred Vlan ID
  ➔ End User system details Submission Page (Hostname,MAC Address,Location/D-port,Preferred-vlan,
    Project Details,Date of Issue,Date of Surrender,Remarks).

REMARK SKILL   **MAY-JUNE 2022**
- Data Science using python
➢ **Parkinson's Disease Detection** using Python which includes NumPyPandas,Mathplotlib

Oasis Infobyte   **SEP -OCT 2022**
- **Java Programming**
➢ PROJECT- **1.ATM Interface IDE**
              2.Number Guessing Game

Internshala Trainings   **MAY-JUNE 2023**
- **NODE JS**
➢ PROJECT-**Connecting a webApp to MongoDB using AJAX and Node**

SLASH MARK   **JAN-APRIL 2024**
- **Full Stack Web Development**
➢ PROJECTS- **1.Weather Forecasting Website**
              2. Basic Portfolio Website

PROJECTS

STATIC IP REQUEST FORM   (Web Design Internship)

- Developed a comprehensive Static IP Request System to streamline the management and allocation of static IP addresses within the organization using perl CGI script . The system includes a secure login page, a Computer Services Request Form displaying employee details (StaffNo, Name, Division, Mail-ID, Contact No), and a Static IP Request Form capturing TL's Staff No, System Hostname, MAC Address, Location/D-port, Preferred VLAN/NW, Purpose/Project, Device Type, Functionality of Device, Request Date, Surrender Date, and Remarks. Implemented a database to manage VLAN IDs, enabling the creation, alteration, and loading of tables from .CSV files. The system features a Static Availability Check Page for entering VLAN ID tables, finding unassigned IPs, and selecting one for assignment. It supports Static IP operations (Insert, Delete, View), ensuring efficient allocation and automatic updating of system details in the MySQL Workbench database. This project significantly reduced inefficiencies and inaccuracies in the IP allocation process.

HMS-HOSPITAL MANAGEMENT SYSTEM (Mini Project)

- The existing system provides the basic functionalities needed to be handled in a Hospital Management Environment . In the existing system all the Patients details, Doctor availability details and regarding the tests done to the patients prescribed by the doctor is maintained manually by the receptionist. If a patient has to be admitted ,we need to check the availability of the bed which consumes lots of time if done manually. It is a very difficult task to maintain all the records which consist of Doctor's details, Patient's details by using the existing system.There are also many loopholes when we look at the security of the system. These are the main disadvantages of the existing systems that are overcome in the proposed model.

HUMAN FOLLOWING ROBOT USING ARDUINO UNO (IOT)
- It is a robot that has an ultrasonic sensor which detects the object and sends the information to the Arduino and motor driver which controls the process of the wheels and microcontroller the whole operation. It will automatically be run with tracking a human.

DIGITAL DOOR LOCK SECURITY SYSTEM USING ARDUINO UNO (IOT)
- It is a Password based door lock system by using Arduino uno.Which prevents the user from opening the door unless they input the correct password or pin code. The Arduino is the program's brain, controlling the entire system. The password or pin code is entered using the 4*4 keypad modules. The servo motor pushes (locks) or pulls (unlocks) the door's latch.

(MAIN PROJECT)

Exposure-Based Energy Curve Equalization for Enhancement of Contrast Distorted Images
- It is an image contrast enhancement technique that uses exposure-based energy curve equalization (ECE) with a plateau limit. The energy curve is computed for the input image which contains spatial context information. The calculated energy curve is clipped with a plateau limit computed as the average of the energy curve. The exposure threshold is computed and used to divide the clipped energy curve. The two resulting energy curves are equalized independently, and the final enhanced image is generated by integrating the images achieved by transforming the equalized energy curves.

ONLINE CODE EDITOR (WEB DEVELOPMENT PROJECT)

- Creating an online code editor running in browsers offers complete IDE functionalities, and it's a valuable skill-building project .It can potentially lead to a startup as a free interviewing platform.This project involves two main features
1. **Backend API :**This server-side component takes code and language as input and provides the output after executing code on the server.
2. **Frontend Editor:**Here you can choose a language,edit and modify the code.After editing,you make a post requested to the backendAPI and display the output on the website.

SKILLS

Languages : Python, C, Java Script, HTML, CSS, PHP,
Technologies : NumPy, Pandas, Matplotlib
Frameworks: MySQL Workbench, Django,ARDUINO IDE, MATHLABR2014b,

ACHIEVEMENTS CERTIFICATIONS

- Completed the 12 weeks course on "**Cloud Computing**" from NPTEL with an Elite Badge by Scoring 66%

- **Amazon Web Services Training and Certifications**
  AWS Academy Graduate by **AWS Academy Cloud Foundations**

- Basics of python from Infosys springboard
- DigiSaksham Essential of Excel from Microsoft