PRIYA K M

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Priya km| LinkedIn

About Me

To be a successful professional in a globally respected company and to achieve the objectives of the company with honesty and fairness by contributing the best for the growth of the company while ensuring growth in personal career by continuously upgrading my knowledge and skills.

SKILLS

1.Programming Languages: Python, Java, Data Structure.HTML,CSS,PHP

2. Database Management: SQL, MongoDB.

3. **Cloud platforms:** google cloud, Azure Cloud.

4. **Tools and Technologies:** Data Visualization and Business Intelligence.

5. Cyber Security: Network Security, Application Security, and Data Security.

6. Unix : File Management, memory and process management, handling input and output.

PROJECTS

1. IOT BASED SMART AGRICULTURE MONITORING SYSTEM USING NODE MCU AND ESP8266

Creating an IoT-based smart agriculture monitoring system using a NodeMCU ESP8266 involves several steps. This system typically includes various sensors to monitor parameters such as soil moisture, temperature, humidity, and light intensity. The collected data can be sent to a cloud server or displayed on a local dashboard for real-time monitoring.

Here's a step-by-step guide to help you build this system:

Components Needed:NodeMCU ESP8266

1.Soil Moisture Sensor

2.DHT11 or DHT22 Temperature and Humidity Sensor

3.Light Sensor (e.g., LDR)

4.Water Pump (optional, for automated irrigation)

5.Relay Module (if using a water pump)

6. Breadboard and Jumper Wires
7. Power Supply

2. DESIGN AND DEVELOPMENT OF SMART BOREWELL CHILD RESCUE SYSTEM USING AIML

Designing and developing a smart borewell child rescue system involves creating a device or set of devices that can safely and efficiently rescue a child trapped in a borewell. This project combines mechanical, electronic, and software engineering. Here is a comprehensive guide to help you design and develop such a system:

Components Needed:

Mechanical Components:

1. Robotic Arm
2. Pulley System
3. Clamping Mechanism
4. Camera Module
5. LED Lights

Electronic Components:

1. Microcontroller (e.g., Arduino, Raspberry Pi)
2. Motors and Motor Drivers
3. Sensors (Ultrasonic, IR for obstacle detection)
4. Wireless Communication Module (e.g., Wi-Fi, Bluetooth)
5. Power Supply (Batteries, Power Banks)

Software:

1. Programming environment (Arduino IDE, Python for Raspberry Pi)
2. Remote control software or app
3. Image processing library (OpenCV)

3. Big Mart Sales Predictions using Artificial Intelligence

- Utilized machine learning algorithms to analyze Big Mart sales data and predict future sales trends. Conducted feature engineering and model optimization to enhance prediction accuracy.
- Implemented the solution using Python and popular machine learning libraries like TensorFlow and Scikit- learn.

4. NGO Management System

- Collaborated in developing a web-based management system for an NGO to streamline volunteer management, event planning, and donation tracking. Implemented frontend functionalities using HTML, CSS, and JavaScript for an intuitive user interface. Ensured cross-browser compatibility and responsiveness for optimal user experience.

5. Digital Handwritten Classification using Deep Learning

- Developed a deep learning model using TensorFlow to classify digital handwritten characters. Preprocessed image data and trained convolutional neural networks (CNNs) to achieve high accuracy.

PROFESSIONAL EXPERIENCE

Works as intern on cloud computing at AMBERSIE Technologies and successfully completed projects on "Design And Development PCB DESIGING" using and fundamental

1.Google Cloud: Internship at Google Cloud, gaining hands-on experience in cloud computing technologies. Worked on projects involving Google Cloud Platform services such as Compute Engine, Big Query, and Cloud Storage. Collaborated with a diverse team to develop and deploy scalable cloud solutions.

2. Microsoft Azure: Internship at Microsoft Azure, focusing on cloud infrastructure and services. Contributed to projects involving Azure Virtual Machines, Azure SQL Database, and Azure Functions. Gained proficiency in deploying and managing applications on the Azure cloud platform.

EDUCATIONS

- **Bachelor of Engineering in Electronics And Communication**,
  Global Academy of Technology, Bangalore
  CGPA: 8.06/10
  2024
  2024

- **Presidency PU College**
  Sira(t) Tumkur(d) ,Karnataka
  Percentage: 83%
  2020
  2020

- **St,Annes High School, (KSEEB)**
  Sira, Karnataka
  Percentage:92.58%
  2018

CERTIFICATIONS

- Certifications in C, Python and Business Intelligence
- Cisco Introduction to data science.
- Completion certification in Data visualization Tableau.
- Completed the certification of big data and statistics in Infosys Spring board.
- I have obtained a certificate in Cyber Security.