 PRIYA K M

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# 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

# **B.E Mini Project Detalis**

# **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.Soil Moisture SensorDHT11 or DHT22 Temperature and Humidity Sensor Light Sensor (e.g., LDR)Water Pump (optional, for automated irrigation)Relay Module (if using a water pump)Breadboard and Jumper Wires Power Supply

**B.E Major Project Detalis**

### **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
* Smart Borewell Child Rescue System and Monitoring project is intended to meet the urgent demand for a secure and quick way to save kids who fall into inadequately covered or exposed borewells.
* The main goal is to create a novel rescue method that makes use of robotics, either fully or partially automated. To safely explore the tight and deep spaces of borewells, this device will be outfitted with high-resolution cameras and secure extraction mechanisms, guaranteeing that the trapped youngster may be quickly and safely rescued.

**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 fronted 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. Prepossessed image data and trained convolution neural networks (CNN) to achieve high accuracy.

# PROFESSIONAL EXPERIENCE

Works as intern on cloud computing at AMBERSIE Technologies and successfully completed projects on “Research And Development PCB DESIGING”using the Electronics and its Components

**1.PCB BOARD:**This stream of engineering deals with analog transmission, basic electronics, microprocessors, solid-state devices, digital and analog communication, analog integrated circuits, microwave engineering, satellite communication, antennae, and wave progression. It also deals with the manufacturing of electronic devices, circuits, and communications equipment.

**2.KiCad SOFTWAR**E: is a free and open-source Electronic Design Automation (EDA) software suite that is used to create schematics, printed circuit board layouts, and Gerber files for manufacturing electronic circuits. KiCad is available on multiple platforms, including Windows, ma Cos, and Linux, and has a user-friendly interface that allows for easy and intuitive design.

**3.Micro Python:** is a compact implementation of the Python 3 programming language that is specifically designed for use on small micro controllers and embedded systems with limited resources such as RAM and processing power.

EDUCATIONS

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* **Bachelor of Engineering in Electronics And Communication**,  **2024**

***Global Academy of Technology, Bangalore***

*CGPA: 8.06/10*

*2020-2024*

* **Pre -university Course- 2020**

**Presidency PU College**

**Sira(t) Tumkur(d) ,Karnataka**

*Percentage: 83%*

*2018-2020*

* **SSLC 2018**

**St,Annes High School, (KSEEB)**

**Sira, Karnataka**

*Percentage:92.58%*

# 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.