

ABHILASH PATIL

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Professional Objective

Seeking a challenging position in an organization where I could utilize my skills and knowledge to deliver software and hardware applications of high quality.

Work Experience

Senior System Executive

Cognizant Technology Solutions – June 2022 - Till Now

- Good proficiency in network administration, VMware virtualization, and UC4 automation while working as a Senior System Executive.
- Designed, implemented, and maintained network infrastructure, ensuring optimal performance, security, and reliability.
- Managed and troubleshooted VMware virtualization environment, including VM deployment, resource allocation, and performance monitoring.
- Patching, tickets solving, UC4 Migrations.

Embedded Engineer

Unique Tech Designs Hubli – March 2018 - Sep 2019

- Design and development Embedded systems and Internet of things (IOT).
- PCB designing using Easy EDA software.
- Worked on different Microcontrollers, Sensors and Actuators.
- Multi Power supply design.

Professional Summary

- **More than 50** engineering major and mini Projects Completed related to Embedded Systems and internet of things (IOT).
- Experience in Embedded systems and Internet of things (IOT).
- Worked on PCB designing and power supply circuits.

Education

2018-2021	Bachelor of Engineer in ECE	VTU	7 CGPA
2015-2018	Diploma in ECE	DTE	76.4 %
2014-2015	SSLC	KSSEB	81.12

Technical Skills

- C and Embedded C Programming.
- Worked on 8 bit AVR Microcontrollers, Analog sensors, Digital sensors,
- Worked on ESP32/ESP8266/LORA/Arduino/MQTT/IFTTT/WIFI/BLE.
- Worked on ADC/DAC, Switching Circuits, AC/DC Protection circuits.
- Hands on experience with different internal protocols like **I2C/SPI/UART/RS232**.
- Arduino IDE and Open Build/Adafruit Io.
- PCB guidelines.

Projects

Project 1 : Multipurpose Vertical Plotter Machine
Role : Hardware designer
Tools/Framework : Open build,Arduino,PCB,EASY-EDA

Project Description:

The multipurpose vertical plotter machine is a device which functions as drawing or writing robot which designs images on wall, prints text on panel or board. It can be used for diverse applications like interior design, wall design, notice board writing and Advertisement design.

Project 2 : Integrated Water Monitoring and Controlling System.
Role : Hardware & Software designer
Tools/Framework : Arduino,C++,Blynk,IOT

Project Description:

This project helps to give information like, presence of water in the tap, purity of the water and current level of water in the tank in the user's mobile. After getting the data the user can give command to transfer the water into the tank and the best part of this project is the user can monitor and control the water by staying anywhere in the world.

Achievements & Certificates

- Presented a technical paper on "Integrated Water Monitoring and Controlling system (IWMSCS)" at BHTC International in oct-2020.
- More than 50 engineering major and mini Projects Completed related to Embedded Systems and internet of things (IOT).
- 1st prize in project exhibition held by IEEE BLDEACET 2019 .
- 2nd prize in project exhibition held by BLDEACET "INVICTUS 2019".
- Completed internship course on embedded system and PCB designing in Unique Tech Designs Hubli and certified.
- Completed In-plant training in tweak labs Inc hubli related to Microcontrollers, sensors and single board computing and certified.

For more
information and my
projects please go
through my Google
drive link:

- <https://drive.google.com/drive/folders/1-2v0O3ja2l6mjiJC5-qMfcPfA29T3MXm>

Personal Information

Name : Abhilash Ashok Patil
Date of Birth : 18-06-1999
Language know : Kannada, English, Hindi
Location : Bijapur

Place: Bijapur

Signature