



VEDANT GOPHANE

Electrical Engineering Student

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📅 October 10, 2002
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SKILLS

Electrical Engineering
Electrical Machine Design
PCB Design
Embedded Systems
Embedded Hardware/Firmware
IoT (Hardware)
IIoT
Circuit Design
Renewable Energy
Solar Panels
Microcontrollers/NodeMCU
VLSI Design

PROFILE

An Embedded Software Engineer with entry-level experience specializing in software development, microcontrollers, hardware design, and firmware. Highly driven recent engineering graduate seeking a full-time position to leverage design and electrical engineering skills.

EDUCATION

B.TECH ELECTRICAL ENGINEERING FEB 2021 – PRESENT
Dattajirao Kadam's Technical Institute of Textile and Engineering, Ichalkaranji
Pursuing my B.Tech from electrical as well as electronic department

XII SCIENCE(PCMB) JUL 2019 – FEB 2020
N.S.P. Jr. College of Arts Commerce and Science, Devgad
Completed my XII with 65.10%.

X JUL 2017 – MAR 2018
Mahatma Gandhi Vidya Mandir, Talebazar
Completed my X with 86.60%.

PROJECTS

Solar Agriculture Sprayer AUG 2023 – DEC 2023
Agriculture **sprayer** was made which would run on the solar power which reduces the dependency of grid system and can be used anytime. The battery backup was given to work in cloudy climate.

Home Automation JUL 2022 – OCT 2022
The project was about inter linking embedded systems in IoT domain. It was developed to solve daily household problems.

Motion Detector FEB 2022 – APR 2022
Small project to detect motion of cows in the farm to study the behavior of cows.

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SOFTWARES

Proteus
AutoCAD
Eagle
GitHub
Arduino
Raspberry PI
MATLAB
Simulink
AZURE IoT Hub

LANGUAGES

English
Hindi
Marathi

HOBBIES

Reading
Learning New things
Tech NEWS reading
Swimming

Website Project

FEB 2021 – JUL 2021

Website was created for marketing of garages nearby.

COURSES

AZURE IoT Hub

OCT 2022

I completed this course through **Coursera**.

Embedded Systems

DEC 2022

Course was about embedding hardware/firmware and its development. I completed this course on **Internshala**.

Introduction to IoT and Embedded Systems

JAN 2023

In this course using of embedded systems in IoT domain was taught projects were also done at the end of the project. It was done on **Coursera**.

AZURE IIoT Fundamentals

JAN 2023

Industrial use of AZURE platform was taught. It was completed on **Coursera**.

MATLAB

DEC 2023

MATLAB software was taught, it was done on **Internshala**.

PLC Programming

DEC 2023

Learned how to program PLC in different languages and methods. It was done on **Internshala**.

PCB Design

Present

Learning about the PCB components and arranging them on a chip. Pursuing on **Internshala** platform.

CERTIFICATES

Skill Lync (Electrical Test)

DEC 2022

Certified through **Skill Lync**.

Electric Vehicle Battery and BMS

AUG 2022

Certified through **NextGen**.

8 Bit microcontrollers: Architecture of the PIC 16

JAN 2024

Certified through **Microchip University**.

Advanced C Programming

JAN 2024

Certified through **Microchip University**.

Getting Started With PIC 16 F

JAN 2024

Certified through **Microchip University**.

Introduction to MPLAB X IDE

JAN 2024

Certified through **Microchip University**.

Syntax and Structure of C

JAN 2024

Certified through **Microchip University**.

C Programming: Linked Lists and Data Structures

FEB 2024

Certified through **Microchip University**.

C Programming Callbacks

FEB 2024

Certified through **Microchip University**.

Advance Embedded C

FEB 2024

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QUALITIES

Critical Thinking

Exploring real life problems

Problem Solving

Creative Thought

Imaginary Designs

Certified through **Microchip University**.

Design consideration for First IoT Project MAR 2024
Certified through **Microchip University**.

Exploring Bluetooth Low Energy MAR 2024
Certified through **Microchip University**.

Creating a Sensor Node for Azure IoT Hub MAR 2024
Certified through **Microchip University**.

Motor Control Workshop MAR 2024
Certified through **Microchip University**.